UTAH COLLEGE OF APPLIED TECHNOLOGY
CULINARY ARTS
KITCHEN IMPROVEMENTS

1100 EAST LAGOON STREET
ROOSEVELT, UTAH

DFCM PROJECT NO. 06302250

State of Utah– Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building / Salt Lake City, Utah 84114 / 538–3018

March 5th, 2007

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects
P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net
STATE OF UTAH 261110 LICENSED ARCHITECT
ARCHITECTURE PLANNING DESIGN

CONSULTANT: XYZ ENGINEERING

BUILDING NAME:
UTAH COLLEGE OF APPLIED TECHNOLOGY
UNITAH BASIN ATC
CULINARY ARTS
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DFCM PROJECT NO. 06302250

ABBREVIATIONS

Reference to materials or methods have been made on the drawings in accordance with the following abbreviations:

#	NUMBER	GWB.	GYPSUM WALL BOARD
'	FEET	GYP. BD.	GYPSUM WALL BOARD
"	INCHES	HC.	HANDICAPPED
&	AND	HDW.	HARDWARE
@	AT	H.M.	HOLLOW METAL
∅	DIAMETER	HORIZ.	HORIZONTAL
ADJ	ADJUSTABLE	HR.	HOUR
AFF	ABOVE FINISH FLOOR	HT.	HEIGHT
ALUM	ALUMINUM	HVAC	HEATING/VENTILATION/ AIR CONDITIONING
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	HYD	HYDRANT
ATS	AUTOMATIC TRANSFER SWITCH	I.D.	INSIDE DIAMETER
		INFO	INFORMATION
BD	BOARD	INSUL.	INSULATION
BITUM.	BITUMINOUS	LAV.	LAVATORY
BLDG	BUILDING	LT.	LIGHT
B.M.	BENCHMARK	MATL.	MATERIAL
B.O.	BOTTOM OF	MAX.	MAXIMUM
BRG.	BEARING	MECH.	MECHANICAL
BTWN.	BETWEEN	MFR.	MANUFACTURER
CER.	CERAMIC	MIN.	MINIMUM
CJ	CONSTRUCTION JOINT	MISC.	MISCELLANEOUS
CLG.	CEILING	M.O.	MASONRY OPENING
CLR.	CLEAR	MTL.	METAL
CMU	CONCRETE MASONRY UNIT	NIC	NOT IN CONTRACT
COL.	COLUMN	NO.	NUMBER
CONC.	CONCRETE	N.T.S.	NOT TO SCALE
CONT.	CONTINUOUS	O.C.	ON CENTER
CONST.	CONSTRUCTION	O.D.	OUTSIDE DIAMETER
COORD.	COORDINATE	O.H.	OVERHEAD
CTJ	CONTRACTION JOINT	OPP.	OPPOSITE
DBL.	DOUBLE	PART.	PARTITION
DPW	DIRECTOR OF PUBLIC WORKS	PERP.	PERPENDICULAR
DIA.	DIAMETER	PL.	PLATE
DPG	DUGWAY PROVING GROUND	PNTD.	PAINTED
DTL.	DETAIL	PSI	POUNDS PER SQUARE INCH
DWGS.	DRAWINGS	R.D.	ROOF DRAIN
EA.	EACH	RAD.	RADIUS
EJ	EXPANSION JOINT	REINF.	REINFORCED
ELEV.	ELEVATION	REQ'D	REQUIRED
EQ.	EQUAL	RET.	RETURN
E.S.	EACH SIDE	REV.	REVERSED
EXIST.	EXISTING	RM.	ROOM
EXPAN.	EXPANSION	R.O.	ROUGH OPENING
EXT.	EXTERIOR	SCHED.	SCHEDULE
E.W.C.	ELECTRIC WATER COOLER	SHR.	SHOWER
F.D.	FLOOR DRAIN	SHT.	SHEET
FDN.	FOUNDATION	SIM.	SIMILAR
F.E.	FIRE EXTINGUISHER	SPEC.	SPECIFICATION
F.E.C.	FIRE EXTINGUISHER CABINET	STD.	STANDARD
F.F.	FINISH FLOOR	STR.	STRUCTURAL
FIN.	FINISH	SUSP.	SUSPENDED
FLR.	FLOOR	THRU	THROUGH
F.L.	FLOW LINE	T.O.	TOP OF
FTG.	FOOTING	T.O.A.	TOP OF ASPHALT
GA.	GAGE	T.O.C.	TOP OF CURB
GALV.	GALVANIZED	T.O.F.	TOP OF FOOTING
GF-CI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	T.O.S.	TOP OF SLAB OR SIDEWALK
		T.O.W.	TOP OF WALL
GF-GI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED	TYP.	TYPICAL
		VERT.	VERTICAL
G.I.	GALVANIZED STEEL	VEST.	VESTIBULE
GND.	GROUND	W/	WITH
GOVT.	GOVERNMENT	WD	WOOD

DESIGN TEAM

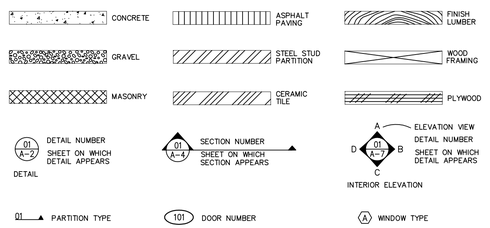
ARCHITECT
P+A ARCHITECTS
CONTACT: SCOTT PRIOR
821 EAST KENSINGTON AVENUE
SALT LAKE CITY, UTAH 84105
PHONE: 801.484.1161
FAX: 801.485.4640

ELECTRICAL
ENVISION ENGINEERING
CONTACT: DAVE WHITTON
244 WEST 300 NORTH, SUITE 100
SALT LAKE CITY, UTAH 84106
PHONE: 801.534.1130
FAX: 801.534.1080

STRUCTURAL
SHEN ENGINEERS, INC.
CONTACT: HENRY SHEN
3335 SOUTH 900 EAST, SUITE 250
SALT LAKE CITY, UTAH 84106
PHONE: 801.466.2625
FAX: 801.466.2656

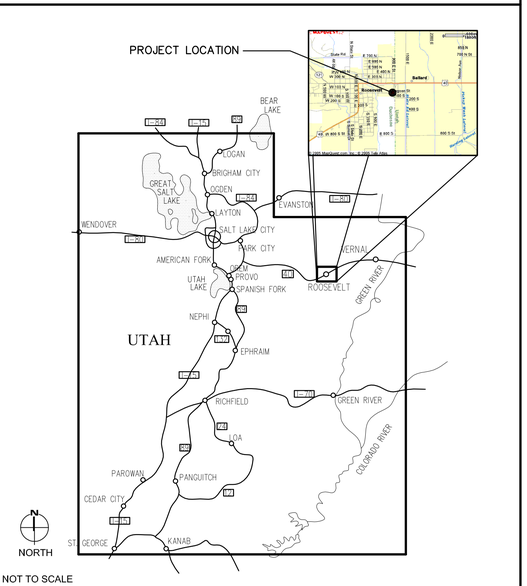
MECHANICAL
VAN BOERUM FRANK AND ASSOCIATES
CONTACT: STEVE T. SHEPHERD
330 SOUTH 300 EAST
SALT LAKE CITY, UTAH 84111
PHONE: 801.530.3148
FAX: 801.530.3150

GRAPHIC KEY



LIST OF DRAWINGS

VICINITY MAP



DFCM DESIGN AND CODE CRITERIA

APPLICABLE CODES	Year		Year
International Building Code	2003	National Electrical Code	2005
International Mechanical Code	2003	Uniform Code for Building Conservation	N/A
International Plumbing Code	2003	ADA Accessibility Guidelines	2003
International Fire Code	2003		
International Energy Conservation Code	2003		

A. Occupancy and Group: B
Change in Use: Yes ____ No NO Mixed Occupancy: Yes YES No ____
Special Use and Occupancy (e.g. High Rise, Covered Mall): NO

B. Seismic Design Category: D2 Design Wind Speed: 90 mph

C. Type of Construction (circle one):
I A | I B | II A | II B | III A | III B | IV HT | V A | V B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: N/A South: N/A East: N/A West: N/A

E. Mixed Occupancies: YES Nonseparated Uses: ACCESSORY USE AREA AS PER I.B.C. SECTION 302.2

F: Sprinklers:
Required: YES Provided: YES Type of Sprinkler System: WET PIPE

G: Number of Stories: 1 Building Height: 20 FEET

H: Actual Area per Floor (square feet): XX

I: Tabular Area: XX

J: Area Modifications:

a) $A_a = A_t + \left[\frac{A_1 I_1}{100}\right] + \left[\frac{A_2 I_2}{100}\right]$ $\qquad I_f = 100\left[\frac{F}{P} - 0.25\right]\frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:
$\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$

c) Total Allowable Area for:
1) One Story: —
2) Two Story: $A_a(2)$ —
3) Three Story: $A_a(3)$ —

d) Unlimited Area Building: Yes X No ____ Code Section: N/A

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	2	—	Floors - Ceiling Floors	0	—
Interior Bearing Walls	0	—	Roofs - Ceiling Roofs	0	—
Exterior Non-Bearing Walls	0	—	Exterior Doors and Windows	0	—
Structural Frame	0	—	Shaft Enclosures	N/A	—
Partitions - Permanent	0	—	Fire Walls	0	—
Fire Barriers	0	—	Fire Partitions	0	—
			Smoke Partitions	0	—

L. Design Occupant Load: CLASSROOM 1 PER 20 SQ. FT.=556/20=28 OCCUPANTS
KITCHEN 1 PER 200 SQ. FT.=419/200=2.01 OCCUPANTS
Exit Width Required: 32" Exit Width Provided: 38"

M. Minimum Number of Required Plumbing Facilities:
a) Water Closets - Required (m) N/A (f) N/A Provided (m) N/A (f) N/A
b) Lavatories - Required (m) N/A (f) N/A Provided (m) N/A (f) N/A
c) Bath Tubs or Showers: N/A
d) Drinking Fountains: N/A Service Sinks: N/A

FOOTNOTES:
1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through X - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
a) High Rise Requirements.
b) Atriums.
c) Performance Based Criteria.
d) Means or Egress Analysis.
e) Fire Assembly Locator Sheet.
f) Exterior and Interior Accessibility Route.
g) Fire Stopping, Including Tested Design Number.

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P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net

STATE OF UTAH SCOTT A. PRIOR 261110 LICENSED ARCHITECT
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GENERAL INFORMATION

SHEET NUMBER
A-GI00I

SITE PLAN REFERENCE NOTES

1. PROJECT LOCATION
2. CONTRACTOR STAGING AREA
3. EXISTING CONCRETE AND ASPHALT PATHWAYS TO REMAIN OPEN TO PEDESTRIANS AND VEHICLES AT ALL TIMES DURING CONSTRUCTION
4. CONTRACTOR VEHICLE PARKING AREA
5. CONTRACTOR VEHICLE ACCESS TO CONSTRUCTION SITE
6. GENERAL CONTRACTOR ENTRANCE
7. TRENCH DRAIN, SEE DETAIL THIS SHEET 03/ASP100

SITE PLAN GENERAL NOTES

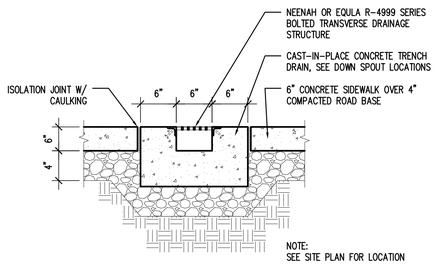
1. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY SIDEWALK, CURB & GUTTER, ASPHALT, LANDSCAPING ETC. DISTURBED OR DESTROYED DURING CONSTRUCTION.
2. CONTRACTOR SHALL MAINTAIN EMERGENCY AND UTILITY VEHICLE ACCESS AT ALL TIMES TO ALL EXISTING BUILDINGS AND BUILDING ENTRANCES

SITE PLAN LEGEND

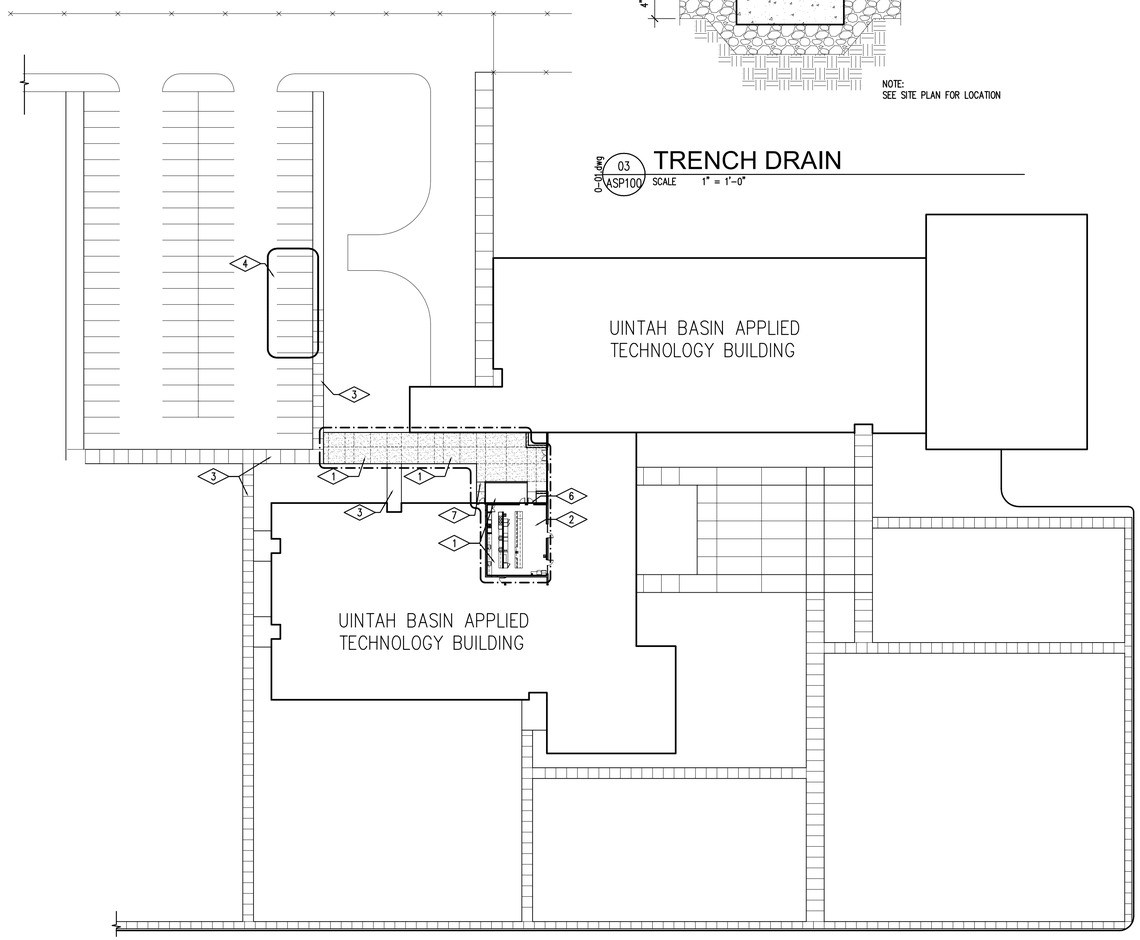
GENERAL CONTRACTOR'S & SUBCONTRACTOR'S PARKING AREA

CONTRACT LIMIT LINE

HATCH PATTERN INDICATES NEW 6" EXTERIOR CONCRETE SLAB OVER 4" COMPACTED ROAD BASE. EXTERIOR CONCRETE SHALL BE PLACED TO SLOPE TOWARDS AREAS OF LANDSCAPING. EXTERIOR CONCRETE TO BE BID AS AN ADDITIVE ALTERNATE. SEE SPECIFICATION



03/ASP100 TRENCH DRAIN
SCALE 1" = 1'-0"



NORTH

02/ASP100 SITE PLAN
SCALE 1" = 40'-0"

DEMOLITION FLOOR PLAN REFERENCE NOTES

1. EDGE OF EXISTING CONCRETE
2. EXISTING MASONRY WALLS TO REMAIN UNDISTURBED
3. EXISTING ALUMINUM STORE FRONT WINDOW AND DOOR SYSTEM TO REMAIN UNDISTURBED AND PROTECTED DURING CONSTRUCTION.
4. GENERAL CONTRACTORS ENTRACNE
5. EXISTING HOLLOW METAL DOOR AND FRAME TO BE REMOVED.
6. EXISTING STORE FRONT DOOR, FRAME AND WINDOW SYSTEM TO BE REMOVED.
7. GENERAL CONTRACTOR SHALL REMOVE ALL REMAINING VCT MASTIC AT REMAINING CONCRETE SLAB LOCATIONS. CONCRETE SLAB SHALL BE CLEANED AS REQUIRED FOR NEW FLOOR MATERIALS TO BE PLACED.

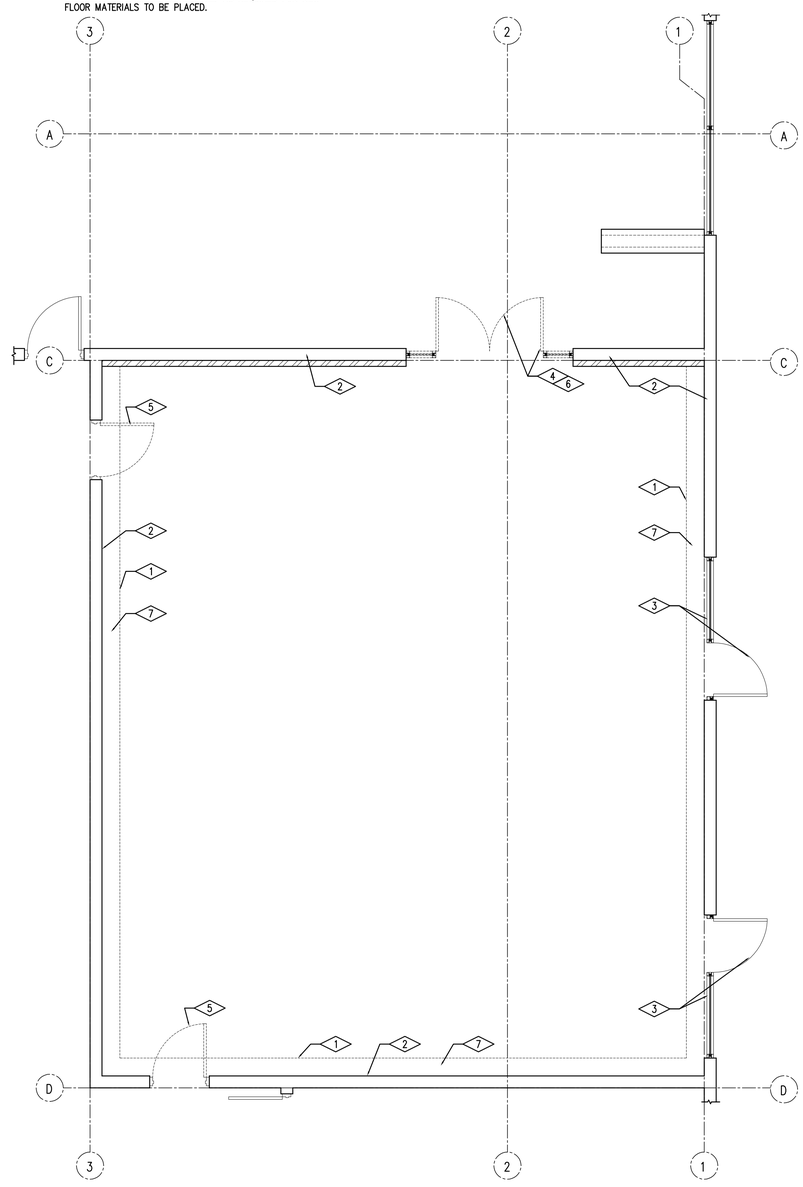
DEMOLITION GENERAL NOTES

1. GENERAL CONTRACTOR SHALL REPLACE AND REPAIR ALL CONCRETE FLOORING DAMAGED DURING THE DEMOLITION AND CONSTRUCTION.
2. SEE ELECTRICAL & MECHANICAL DEMOLITION DRAWINGS & NOTES.
3. GENERAL CONTRACTOR SHALL PROVIDE A 6 MIL POLYETHYLENE DUST BARRIER FROM FLOOR TO METAL DECK ABOVE AND SHALL BE SEALED AIR TIGHT IN ALL PHASED AREA OF CONSTRUCTION

DEMOLITION LEGEND

DASHED DOOR LINES INDICATE EXISTING DOOR AND FRAME TO BE REMOVED

EXISTING WALL FRAMING AND GYPSUM BOARD TO BE REMOVED



NORTH

01/ASP100 DEMOLITION FLOOR PLAN
SCALE 1/4" = 1'-0"

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SITE PLAN AND DEMOLITION FLOOR PLAN

SHEET NUMBER
A-SP100

SHEET 3 OF 25

CEILING LEGEND

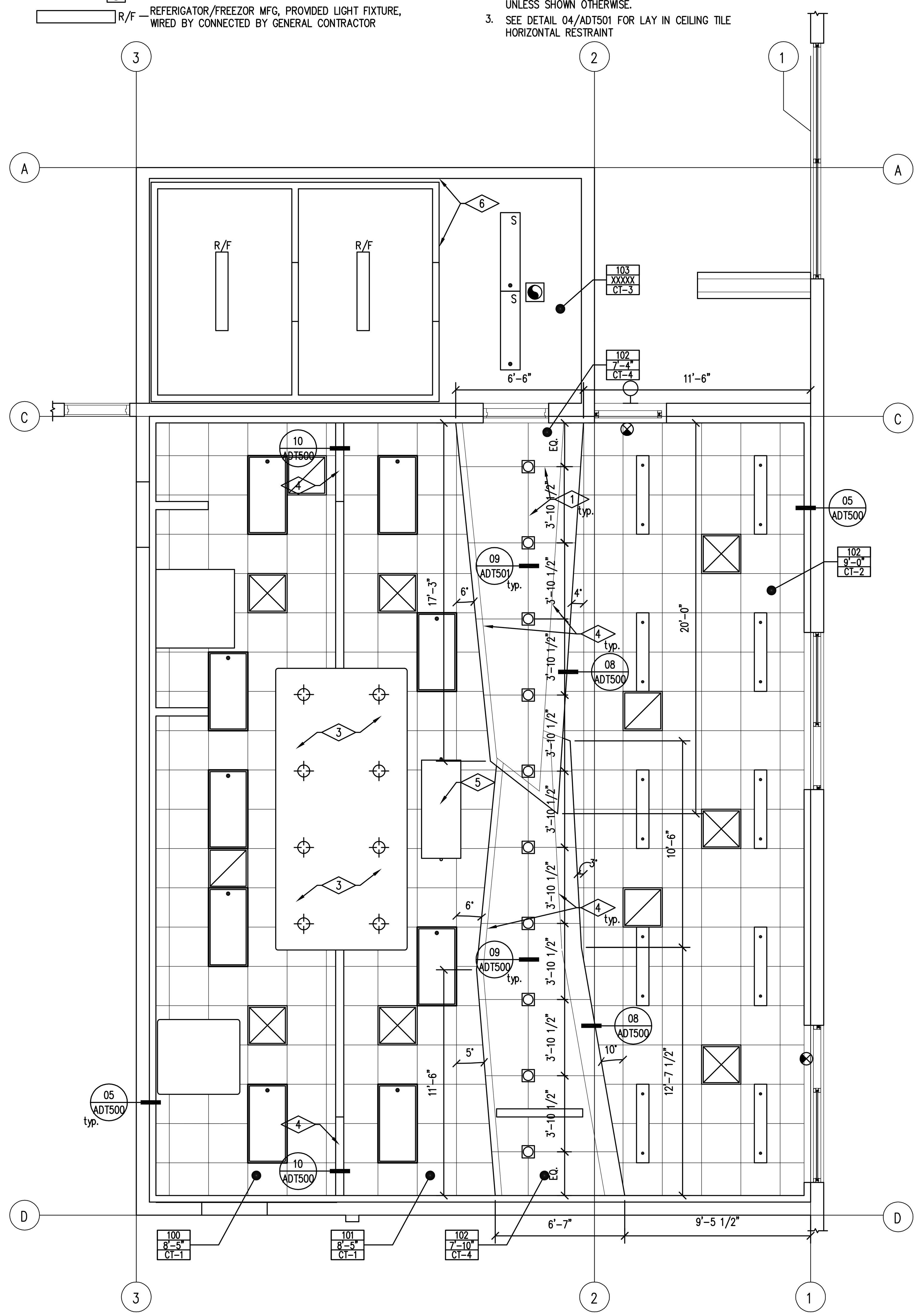
- 101 — ROOM NUMBER
- 9'-0" — CEILING HEIGHT
- C1 — CEILING TYPE
- NEW 2x4 FLUORESCENT LAY-IN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- NEW EXIT SIGN, SEE ELECTRICAL DRAWINGS.
- NEW RECESSED CAN LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- S — 1'x4' SURFACE MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- 1'x4' DIRECT/INDIRECT CEILING MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- SUPPLY AIR DIFFUSER CONTRACTOR TO VERIFY LOCATION WITH MECHANICAL DRAWINGS
- RETURN AIR DIFFUSER GENERAL CONTRACTOR TO VERIFY WITH MECHANICAL DRAWINGS
- CEILING EXHAUST FAN, SEE MECHANICAL DRAWINGS
- R/F — REFERIGATOR/FREEZOR MFG, PROVIDED LIGHT FIXTURE, WIRED BY CONNECTED BY GENERAL CONTRACTOR

REFERENCE NOTES

1. REVEAL LOCATION IN WOOD CEILING, SEE DETAIL
2. GYPSUM BOARD BULKHEAD, SEE DETAIL
3. MECHANICAL EXHAUST HOOD, SEE MECHANICAL DRAWINGS
4. DASHED LINE INDICATES FACE OF GYPSUM BOARD FACIA ABOVE, SEE SECTIONS
5. ONE, 24" WIDE x 60" LONG CEILING MOUNTED MIRROR, SEE KITCHEN EQUIPMENT DRAWING A-KE101 FOR MAKE AND MODEL NUMBER. INSTALLED BY G.C.
6. PROVIDE BACKER ROD AND SEALANT AT PERIMETER OF REFIREGEATOR AND STORAGE ROOM AT WALLS FLOOR AND CEILING.

GENERAL NOTES

1. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES.
2. NEW SUSPENDED CEILING GRIDS SHALL BE CENTERED IN SPACES AS SHOWN ON REFLECTED CEILING PLANS, UNLESS SHOWN OTHERWISE.
3. SEE DETAIL 04/ADT501 FOR LAY IN CEILING TILE HORIZONTAL RESTRAINT



02 AFP101 NEW REFLECTED CEILING PLAN
SCALE 1/4" = 1'-0"

REFERENCE NOTES

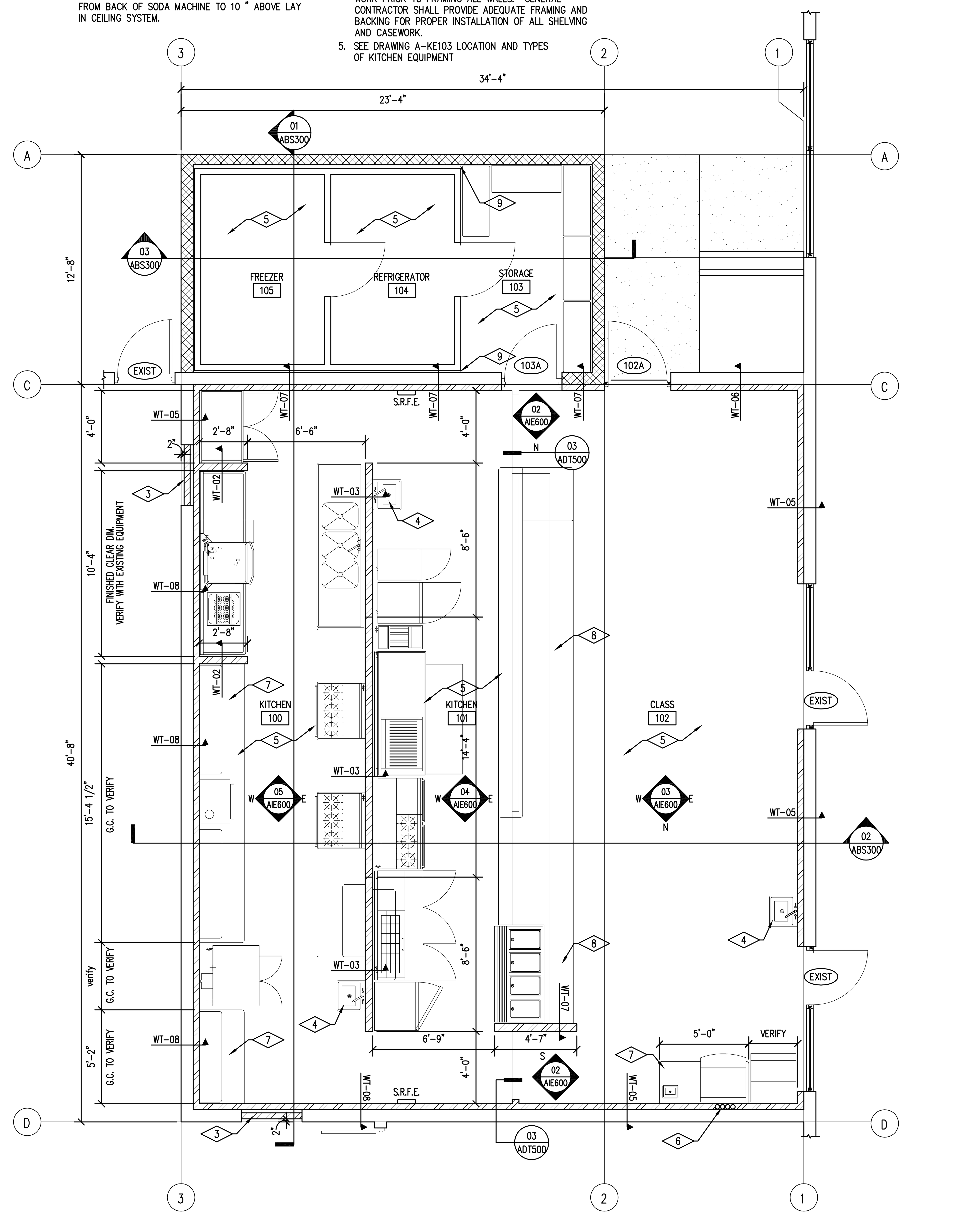
1. TRANSITION LOCATION BETWEEN EPOXY FLOORING SYSTEM AND STAINED CONCRETE FLOORING SYSTEM, SEE SPECIFICATION.
2. STAINLESS STEEL COUNTER TOP WORK STATION, SEE CASEWORK SECTIONS AND INTERIOR ELEVATIONS.
3. AT LOCATION WHERE EXISTING DOORS HAVE BEEN REMOVED THE GENERAL CONTRACTOR SHALL PROVIDE AN ADDITIONAL 3 5/8" METAL STUD FRAMING WALL WITH 5/8" FINISH GYPSUM BOARD WALL. GENERAL CONTRACTOR SHALL PAINT AND PROVIDE RUBBER BASE TO MATCH EXISTING RUBER BASE.
4. HAND SINK, SEE PLUMBING DRAWINGS
5. GENERAL CONTRACTOR TO PROVIDE NEW 4" CONCRETE FLOOR SLAB OVER 4" COMPACTED ROAD BASE
6. GENERAL CONTRACTOR SHALL PROVIDE (4) 3" DIA PVC CONDUITS IN WALL. CONDUITS SHALL HAVE 90 DEGREE ELBOWS AT THE TOP AND BOTTOM AND BE EXPOSED THROUGH GYPSUM BOARD WALL SURFACE AT THESE LOCATION. CONDUITS SHALL BE LOCATED FROM BACK OF SODA MACHINE TO 10 " ABOVE LAY IN CEILING SYSTEM.
7. PLASTIC LAMINATE CABINETS WITH STAINLESS STEEL COUNTERTOPS. SEE INTERIOR ELEVATIONS AND CASEWORK SECTIONS.
8. STAINLESS STEEL WORK COUNTER WITH PLASTIC LAMINATE CASEWORK BELOW. SEE INTERIOR ELEVATIONS AND CASEWORK SECTIONS.
9. PROVIDE BACKER ROD AND SEALANT AT PERIMETER OF REFRIGERATOR AND STORAGE ROOM AT WALLS FLOOR AND CEILING.

GENERAL NOTES

1. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES.
2. SEE WALL TYPES FOR WALL ASSEMBLIES.
3. CONTRACTOR TO FIELD VERIFY LOCATION AND PLACEMENT OF ALL FIXTURES AND ACCESSORIES AND COORDINATE WITH A.D.A. REQUIREMENTS
4. GENERAL CONTRACTOR TO FIELD VERIFY LOCATION AND PLACEMENT OF ALL WALL MOUNTED SHELVING AND CASE WORK PRIOR TO FRAMING ALL WALLS. GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE FRAMING AND BACKING FOR PROPER INSTALLATION OF ALL SHELVING AND CASEWORK.
5. SEE DRAWING A-KE103 LOCATION AND TYPES OF KITCHEN EQUIPMENT

FLOOR PLAN LEGEND

- 100A — DOOR TAG, SEE DOOR SCHEDULE
- RM. NAME 100 — ROOM TAG
- F.D. — FLOOR DRAIN
- WT-01 — WALL TYPE, SEE WALL TYPES SHEET A
- EXIST — EXISTING DOOR TO REMAIN UNDISTURBED
- NEW STRUCTURAL BRICK WALL LOCATION SEE STRUCTURAL DRAWINGS
- S.R.F.E. — SEMI-RECESSED FIRE EXTINGUISHER, SEE SPECIFICATION
- HATCH PATTERN INDICATES NEW 6" EXTERIOR CONCRETE SLAB OVER 4" COMPACTED ROAD BASE. AREA SHOWN ON FLOOR PLAN TO BE INCLUDED IN BASE BID
- NEW METAL STUD AND GYPSUM BOARD WALLS, SEE WALL TYPES.



01 AFP101 NEW FLOOR PLAN
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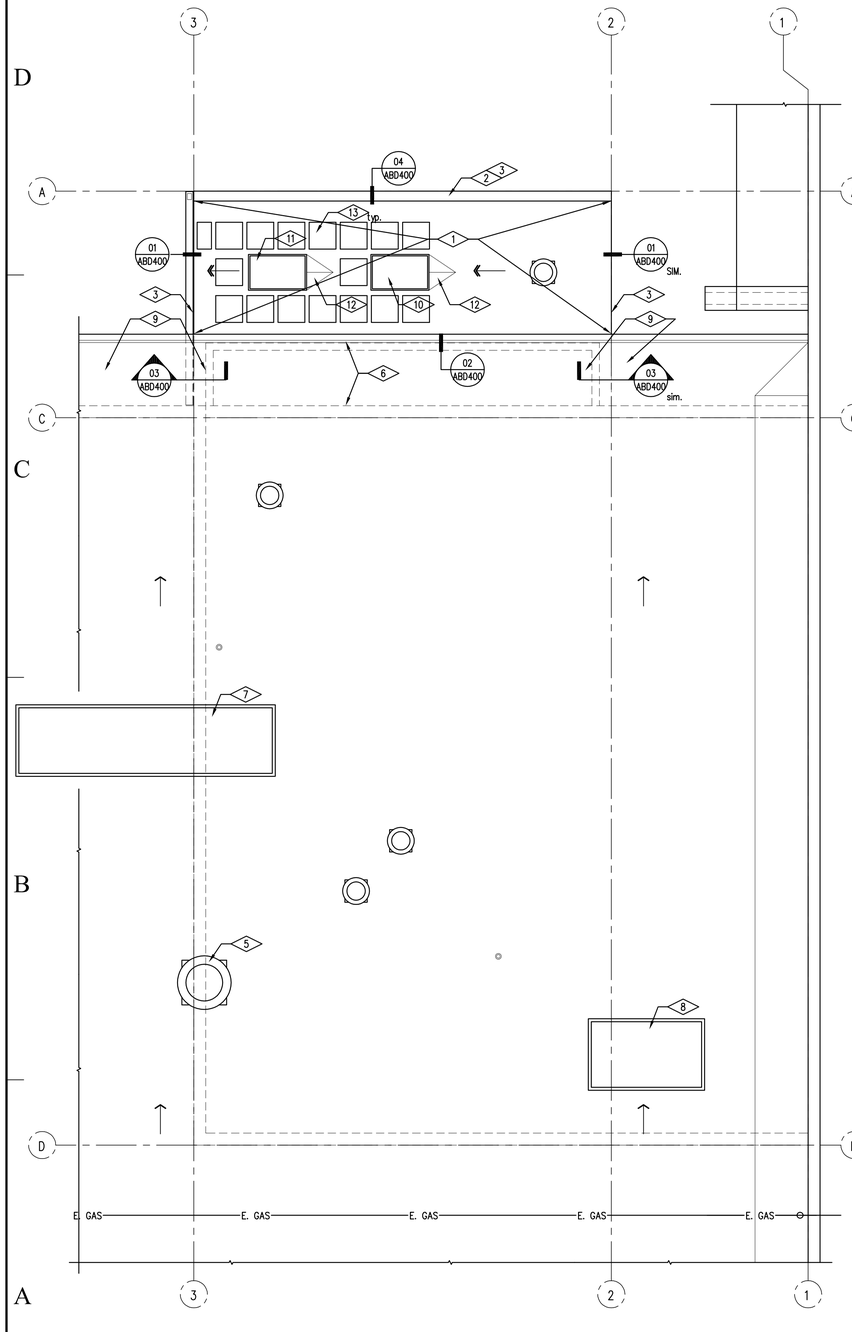


PARTIAL ROOF PLAN

02 ARP102 SCALE 1/4" = 1'-0"

NORTH

ROOF PLAN REFERENCE NOTES

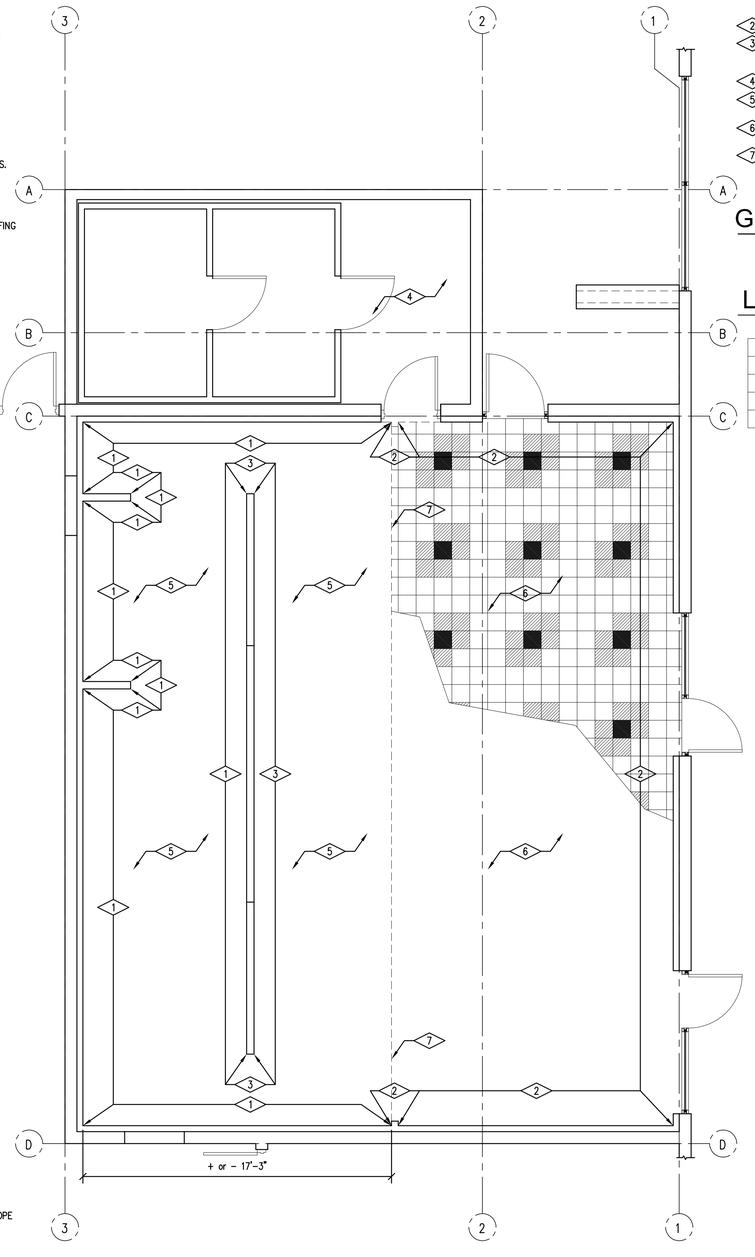
1. NEW TPO ROOF MEMBRANE FULLY ADHERED TO ½" GYPSUM DENZ DECK. ½" GYPSUM DENZ DECK TO BE MECHANICALLY FASTENED TO TAPERED E.P.S. SYSTEM. ½" GYPSUM DENZ DECK TO HAVE ALL SEAMS SEALED TO PREVENT T.P.O. MEMBRANE ADHESIVE FROM COMING INTO CONTACT WITH TAPERED E.P.S. SYSTEM. MINIMUM THICKNESS OF INSULATION AT ANY LOCATION TO BE 1-½" THICK.
2. NEW STANDING SEAM PRE-FINISHED METAL CAP FLASHING. COLOR AND FINISH TO MATCH EXISTING BUILDING FLASHING COLOR. GENERAL CONTRACTOR SHALL PROVIDE STANDING SEAM EXPANSION JOINT AT A MAXIMUN OF 10'-0" O.C. SEE DETAIL
3. NEW 24 GA. PREFINISHED METAL FLASHING, COUNTERFLASHINGS AND WALL CAPS. COLOR TO MATCH EXISTING.
4. PROVIDE SEALANT AND PAINT ALL ROOF PENETRATIONS. NOTE: DO NOT PAINT ALUMINUM OR STAINLESS STEEL HOODS, VENTS, ETC.
5. EXISTING ROOF TURTLE TYPE VENTS TO BE REMOVED GENERAL CONTRACTOR SHALL PATCH AND REPAIR EXISTING ROOF SHEATHING AND 4 PLY BUILT-UP ROOFING SYSTEM TO MAINTAIN ROOF WARRANTY, AT THIS LOCATION.
6. LOCATION WHERE UPPER ROOF CANTILEVERS OVER LOWER ROOF.
7. NEW ROOF TOP MOUNTED MAKE-UP AIR UNIT, SEE MECHANICAL DRAWINGS.
8. NEW ROOF TOP AIR UNIT, SEE MECHANICAL DRAWINGS.
9. EXISTING ASBESTOS PANEL BUILDING SOFFITS TO BE REMOVED AT REQUIRED LOCATIONS TO CONSTRUCT NEW ENCLOSURE. GENERAL CONTRACTOR SHALL DESPOSE OF ASBESTOS PANELS AS PER STATE REQUIREMENTS. GENERAL CONTRACTOR SHALL PROVIDE NEW PAINTED PLYWOOD SOFFIT PANELS AS PER DETAILS.
10. NEW REFRIGERATOR ROOF TOP PACKAGE UNITS. GENERAL CONTRACTOR TO VERIFY SIZE AND REQUIRED OPENINGS NEEDED FOR DUCT OPENINGS.
11. NEW FREEZER ROOF TOP PACKAGE UNITS. GENERAL CONTRACTOR TO VERIFY SIZE AND REQUIRED OPENINGS NEEDED FOR DUCT OPENINGS.
12. BUILT-UP ROOF CRICKET.
13. T.P.O. WALK-WAY PADS.

ROOF PLAN GENERAL NOTES

1. CONTRACTOR MUST VISIT THE SITE SO AS TO BE FAMILIAR WITH ALL EXISTING CONDITIONS. BRING ANY QUESTIONS OR CONCERNS TO THE ATTENTION OF THE PROJECT MANAGER FOR CLARIFICATION, FOR ADDENDUM PRIOR TO BID OPENING. NO ALLOWANCES WILL BE MADE FOR CONDITIONS THAT ARE CLEARLY VISIBLE.
2. CONTRACTOR SHALL WORK WITH LOCAL LEADERSHIP ON SCHEDULING TO INSURE CONTINUED USE OF THE BUILDING NEITHER THE CONTRACTOR NOR ANY OF HIS PEOPLE SHALL HAVE ACCESS TO THE BUILDING WITHOUT PRIOR AUTHORIZATION.
3. ALL SAFETY STANDARD AND REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. BEFORE FABRICATION OF ANY SHEET METAL WORK, SUBMIT SHOP DRAWINGS TO PROJECT ARCHITECT FOR REVIEW AND APPROVAL.
5. COMPLY WITH ALL MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
6. CONTRACTOR RESPONSIBLE TO KEEP BUILDING WATERTIGHT AT ALL TIMES. STARTING FROM NOTICE TO PROCEED TO SUBSTANTIAL COMPLETION ANY DAMAGE TO THE BUILDING OF ITS CONTENTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. FIELD VERIFY ALL DIMENSIONS PRIOR TO ORDERING ANY MATERIALS, VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. DO NOT SCALE DRAWINGS FOR QUANTITIES.
8. ANY SIDING, FASCIA, ETC. THAT NEEDS TO BE REMOVED TO COMPLETE THIS JOB ARE TO BE PART OF THE CONTRACT. CARE MUST BE TAKEN TO ENSURE THAT ALL ITEMS TO BE REINSTALLED ARE NOTE DAMAGED DURING REMOVAL AND/OR INSTALLATION. CONTRACTOR WILL REPLACE ALL PIECES THAT ARE DAMAGED.
9. ROOFING SYTEM TESTING AS PER U.L. 263 BASIC STANDARDS FOR ROOING PRODUCT INVESTIGATION, INSTALLATION AS PER CARLISLE SYNTECH INCORPORATED ROOFING SYSTEMS, TGFU.RR103 CLASS "A" T.P.O. ROOFING SYSTEM, FULLY ADHEARED

LEDGEND

- ARROW INDICATES DIRECTION OF EXISTING SLOPE
- ARROW INDICATES DIRECTION OF NEW ROOF SLOPE
- E. GAS — EXISTING GAS PIPE
- NEW EXHAUST FAN, SEE MECHANICAL DRAWINGS
- ROOFING WALKWAY PADS, SEE SPECIFICATION



FLOOR AND WALL FINISH PLAN

01 ARP102 SCALE 1/4" = 1'-0"

NORTH

FLOOR AND WALL FINISH PLAN REFERENCE NOTES

1. FIBERGLASS REINFORCED PANELS FROM TOP OF SCHEDULED BASE TO BOTTOM OF FINISHED CEILING, SEE INTERIOR ELEVATIONS AND SPECIFICATIONS
2. PAINTED GYPSUM BOARD WALLS
3. CERAMIC TILE FROM TOP OF SCHEDULED BASE TO BOTTOM OF FINISHED CEILING, SEE INTERIOR ELEVATIONS AND SPECIFICATION
4. SEALED CONCRETE FLOORING
5. EPOXY FLOORING SYSTEM WITH INTEGRAL FLOOR BASE SEE SPECIFICATIONS AND DETAILS.
6. V.C.T. FLOORING SYSTEM, SEE SPECIFICATIONS AND DETAILS.
7. DASHED LINE INDICATES LOCATION OF TRANSITION BETWEEN EPOXY FLOORING SYSTEM AND STAINED CONCRETE FLOORING SYSTEM. SEE TRANSITION DETAIL.

GENERAL NOTES

1. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES.
2. SEE WALL TYPES FOR WALL ASSEMBLIES.

LEDGEND

- V.C.T. COLOR #1
- V.C.T. COLOR #2
- V.C.T. COLOR #3

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects

P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net

CONSULTANT: XYZ ENGINEERING

BUILDING NAME:

UTAH COLLEGE OF APPLIED TECHNOLOGY

UNITAH BASIN ATC
CULINARY ARTS
KITCHEN INPROVEMENTS

1100 EAST LAGOON ST.
ROOSEVELT, UTAH

PROJECT TITLE:

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DFCM PROJECT NO: 06302250
CAD PROJECT NO:
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DRAWN BY: BRIAN AND SCOTT
CHK'D BY: SCOTT

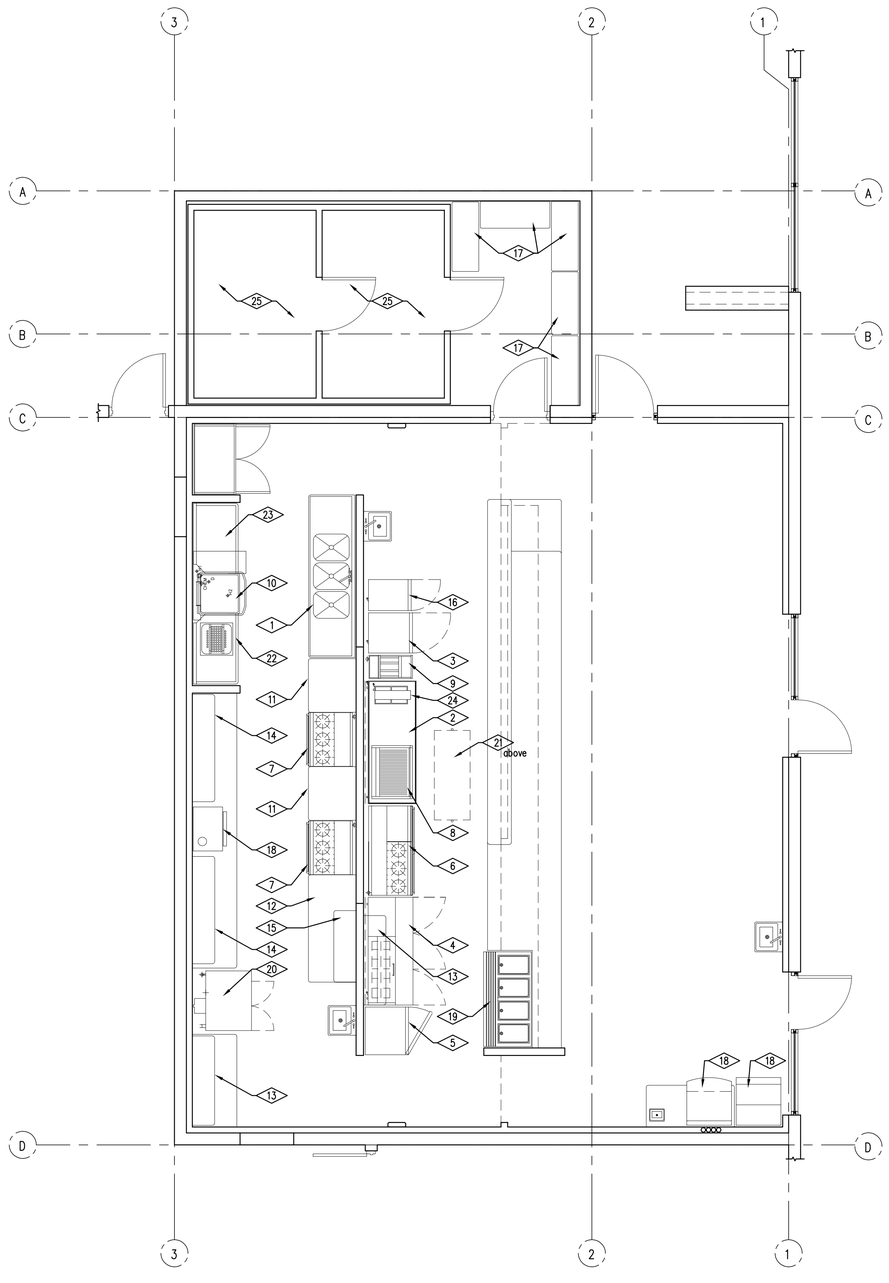
SHEET TITLE

ROOF PLAN -
WALL & FLOOR FINISH PLAN

SHEET NUMBER

A-RP102

SHEET 5 OF 25



NORTH

01 AKE101 KITCHEN EQUIPMENT FLOOR PLAN

SCALE 1/4" = 1'-0"

GENERAL NOTES

1. KITCHEN EQUIPMENT SUPPLIER SHALL PROVIDE FOR ALL GAS FIRED KITCHEN EQUIPMENT A MINIMUM 4'-0" OF FLEXIBLE GAS HOSE WITH QUICK DISCONNECT. HOSE SIZE AS PER EQUIPMENT REQUIREMENTS.
2. THE KITCHEN EQUIPMENT SUPPLIER SHALL HAVE A MINIMUM OF FIVE YEARS EXPERIENCE WITH INSTALLATION OF KITCHEN EQUIPMENT.
3. THE KITCHEN EQUIPMENT SUPPLIER AND GENERAL CONTRACTOR ARE REQUIRED TO PROVIDE ALL EQUIPMENT, INSTALLATION, WIRING, CONNECTORS, HOOKUP, ETC. OF ALL ITEMS AS LISTED ON THIS DRAWING FOR A FULLY FUNCTIONAL KITCHEN.
4. IT IS THE GENERAL CONTRACTORS AND THE KITCHEN EQUIPMENT SUPPLIERS RESPONSIBILITY TO COORDINATE THE SHIPPING, DELIVERY AND INSTALLATION OF ALL KITCHEN EQUIPMENT LISTED FOR THIS PROJECT.
5. ALL MISCELLANEOUS ITEMS AS REQUIRED TO PROVIDE THE FULLY OPERATION INSTALLATION NOT SPELLED ON THIS DRAWING WILL BE SUPPLIED BY THE INSTALLER AS PART OF THE KITCHEN EQUIPMENT SUBCONTRACTORS BID.
6. KITCHEN EQUIPMENT SUBSTITUTIONS MUST BE PROVIDED TO THE ARCHITECT PRIOR TO BIDDING FOR APPROVAL. ANY PRODUCT SUBSTITUTIONS AFTER THE LAST DAY TO SUBMIT QUESTIONS WILL NOT BE APPROVED.
7. ALL KITCHEN EQUIPMENT WILL REQUIRE SUBMITTALS ACCORDING TO THE CONDITIONS OF THE CONTRACT AND DIVISION 1 SPECIFICATION SECTIONS..
8. PROVIDE PRODUCT DATA FOR EACH TYPE OF KITCHEN EQUIPMENT SPECIFIED
9. THE KITCHEN EQUIPMENT SUPPLIER AND GENERAL CONTRACTOR SHALL COORDINATE AND PROVIDE ALL SUPPORTS, ANCHORS, INSERTS, FASTENERS AND BOLTS AS REQUIRED FOR INSTALLATION.
10. THE KITCHEN EQUIPMENT SUPPLIER SHALL COORDINATE WITH THE GENERAL CONTRACTOR, ARCHITECT, D.F.C.M. REPRESENTATIVE AND COLLEGE FOR ALL REQUIRED ADDITIONAL WALL FRAMING FOR THE INSTALLATION OF EQUIPMENT.

KITCHEN EQUIPMENT SCHEDULE

1	"ADVANCE TABCO" THREE COMPARTMENT – TWO DRAINBOARD STAINLESS STEEL SINK. SPEC–LINE 940 SERIES, MODEL NUMBER 94–63–54–24RL, WITH T&S BRASS K–112 FAUCET.
2	"TRUE", DRAWERED REFRIGERATOR CHEF BASE, MODEL NUMBER TRCB–82 a. 5 YEAR COMPRESSOR WARRANTY (SELF CONTAINED ONLY) b. 1 YEAR PARTS AND LABOR WARRANTY
3	"TRUE", REACH–IN SOLID DOOR FREEZER, MODEL NUMBER T–23F WITH ADDED FEATURES. a. HALF DOOR BUN TRAY RACK, 871728 b. DOOR HINGED RIGHT STANDARD c. 5 YEAR COMPRESSOR WARRANTY (SELF CONTAINED ONLY) d. 1 YEAR PARTS AND LABOR WARRANTY
4	"TRUE", FOOD PREP TABLE, MODEL NUMBER TSSU–72–12 WITH ADDED OPTIONAL FEATURES/ACCESSORIES. a. 72" x 11–¾" DEEP, ½" WHITE POLYETHYLENE CUTTING BOARD AND REQUIRED "L" BRACKETS FOR TSSU–72. b. SNEEZEGUARD, 873096 c. CRUMB CATCHER, 874620, WITH SPECIAL CRUMB CATCHER CUTTING BOARD d. 5 YEAR COMPRESSOR WARRANTY (SELF CONTAINED ONLY) e. 1 YEAR PARTS AND LABOR WARRANTY f. PAN DIVIDERS
5	"TRUE", REACH–IN SOLID DOOR REFRIGERATOR MODEL NUMBER T–23 WITH ADDED FEATURES a. HALF DOOR BUN TRAY RACK b. 5 YEAR COMPRESSOR WARRANTY (SELF CONTAINED ONLY) c. 1 YEAR PARTS AND LABOR WARRANTY d. DOOR HINGED RIGHT STANDARD
6	"VULCAN", 260L SERIES (NATURAL GAS) RESTAURANT RANGE. PROVIDED BY OWNER AND INSTALLED BY KITCHEN EQUIPMENT SUPPLIER.
7	"VULCAN HART", 36LC SERIES (NATURAL GAS) RESTAURANT RANGE WITH ADDED OPTIONAL FEATURES. a. SET OF FOUR CASTERS, TWO LOCKING b. ¾" x 4' FLEXIBLE GAS HOSE WITH QUICK DISCONNECT. c. 30,000 BTU/HR SNORKEL CONVECTION OVEN W/ THREE OVEN RACKS c. 1 YEAR PARTS AND LABOR WARRANTY d. NATURAL GAS ELEVATION IS OVER 2000 ft. e. 3–½" HIGH SPLASHERS ON BOTH SIDES AND BACK f. EVEN HEAT TOP SECTIONS g. 11" HIGH STAINLESS STEEL FLUE RISER IN PLACE OF STANDARD BACK RISER AND HIGH SHELF
8	"VULCAN", VCCB36 (NATURAL GAS) CHAR–BROILER WITH ADDED OPTIONAL FEATURES. a. AS REQ. x 4' FLEXIBLE GAS HOSE WITH QUICK DISCONNECT. b. 1 YEAR PARTS AND LABOR WARRANTY c. NATURAL GAS ELEVATION IS OVER 2000 ft.
9	"DEAN" SR42G SUPER RUNNER NATURAL GAS FRYER WITH ADDED OPTIONAL FEATURES. a. STAINLESS STEEL SIDES b. CASTERS, SET OF 4 c. ¾" x 4' N.P.T. FLEXIBLE GAS HOSE WITH QUICK DISCONNECT. d. NATURAL GAS ELEVATION IS OVER 2000 ft.
10	HOBART AM15 SELECT DISHWASHER. BY OWNER, INSTALLED BY KITCHEN EQUIPMENT SUPPLIER.
11	"ADVANCE TABCO" STAINLESS STEEL BASE CABINET, DOORS 30" WIDE HINGED DOOR STYLE ENCLOSED BASE WORK TABLE WITH, 1⅝304 STAINLESS STEEL TOP, 5" BACK SPLASH, 36" LONG, S/S BULLET FEET, MODEL NUMBER HK–SS–303
12	"ADVANCE TABCO" STAINLESS STEEL BASE CABINET, DOORS 30" WIDE HINGED DOOR STYLE ENCLOSED BASE WORK TABLE WITH, 1⅝304 STAINLESS STEEL TOP, 5" BACK SPLASH, 120" LONG, S/S BULLET FEET, MODEL NUMBER HK–SS–306
13	"ADVANCE TABCO" STAINLESS STEEL KD WALL SHELF MODEL NUMBER WS–15–60
14	"ADVANCE TABCO" STAINLESS STEEL KD WALL SHELF MODEL NUMBER WS–15–72
15	"ADVANCE TABCO" STAINLESS STEEL KD WALL SHELF MODEL NUMBER WS–15–48
16	LOCKWOOD INSULATED PROOF/HOLDER CABINET MODEL NUMBER CA–67–PFIN–34CD a. DOOR HINGED ON RIGHT SIDE b. H–HEAT UNIT–INT INTERNAL HEAT UNIT, ADJUST. TO 180 DEGREE F. INSULATED CABINET AND 160 DEGREE F. NON–INSULATED CABINET, SEPARATE HUMIDY AND TEMP. DIALS, (1) 1000 WATT IMMERSIBLE HEATING ELEMENT AND (2) 500 WATT & 1000 WATT INTERNAL, HEATING ELEMENTS, 4.3 qt. s/s WATER PAN, 120 VOLT/ 60 / 1, 15 AMP, NSF, UL c. 1 YEAR PARTS AND LABOR WARRANTY d. DT–CA67 DRIP TROUGH, FOR CA67 CABINETS e. PUSH HANDLE f. HASP LOCK g. 5" HIGH TECH/SWIVEL CASTERS SET (2 W/ BRAKES) GREY, STD.
17	74" HIGH x 18"x42" WITH 4 SHELFS, NSF APPROVED CHROME WIRE SHELVING.
18	KITCHEN EQUIPMENT PROVIDED BY OWNER, INSTALLED BY GENERAL CONTRACTOR.
19	EAGLE, SEALED WELL HOT FOOD TABLE. PROVIDED BY OWNER, INSTALLED BY KITCHEN EQUIPMENT SUPPLIER.
20	HOBART, HGC5 GAS CONVECTIONAL OVEN. PROVIDED BY OWNER AND INSTALLED BY KITCHEN EQUIPMENT SUPPLIER.
21	"ADVANCE TABCO" MI–60 CEILING MOUNTED MIRROR a. HEIGHT REQUIREMENTS REQUIRED 3'–4". GENERAL CONTRACTOR TO VERIFY PRIOR TO ORDERING. b. GENERAL CONTRACTOR TO INSTALL
22	"ADVANCE TABCO" STAINLESS STEEL STRAIGHT SOIL DISHTABLE MODEL NUMBER DTS–S70–48L. PROVIDED BY OWNER INSTALLED BY KITCHEN EQUIPMENT SUPPLIER.
23	"ADVANCE TABCO" STAINLESS STEEL STRAIGHT CLEAN DISHTABLE MODEL NUMBER DTC–S70–48R. PROVIDED BY OWNER INSTALLED BY KITCHEN EQUIPMENT SUPPLIER.
24	"HATCO" GLO–RAY PORTABLE FOODWARMER, MODEL GRFFL, WITH ADDITIONAL ITEMS. a. FOOD HOLDING PANS b. WIRE TRIVETS c. 5 PLEAT HARDCOATED FRENCH FRY BOX RIBBON
25	ARTIC INDUSTRIES OR EQUAL CUSTON WALK–IN COOLER/FREEZER COMBO. INDOOR INSTALLATION WITH MIN. 4" HIGH DENSITY FOAM INSULATED FLOOR CONSTRUCTION NSF FINISH .100 SMOOTH ALUMINUM AT BOTH REFRIGERATOR AND FREEZER. 4" HIGH DENSITY FOAM INSULATED WALLS AND CEILINGS EMBOSSED GALVALUME / ACRYLUME FINISH ON INTERIOR AND EXTERIOR. 34"x78" DOORS C.F.C. FREE FOAM IN PLACE, REINFORCED, SELF–CLOSING, IN–FITTING, FLUSH MOUNTED WITH MAGNETIC GASKETS. 36" HIGH ALUMINUM DIAMOND TREAD KICK PLATES INTERIOR AND EXTERIOR OF DOORS. FACTORY INSTALLED VAPOR PROOF LIGHT FIXTURES WITH NIGHT LIGHT. LIGHTING TO HAVE A MINIMUN OF 20 FOOT CANDLES. SWITCH AND PILOT LIGHT, REMOTE DIAL THERMOMETER. FREEZER DOORS INCLUDE FACTORY INSTALLED HEATER WIRES WITH TEMPERATURE SENSING DEVICE. ROOF MOUNTED REFERIGERATOR SYSTEM REMOTE. 7800 BTU, ¾ H.P. HERMETIC TYPE 208–230–60–1, INCLUDE LINE AND REFRIGERANT. COMPRESSOR FLA: 8.0 EVAPORATOR 115 VOLT, 4.0 AMP. LIQUID LINE: ⅜" SUCTION LINE: ½". (1) MTWCK MEDIUM TEMPERATURE WINTER CONTROL KIT. (1) LTWCK LOW TEMPERATURE WINTER CONTROL KIT. TWO (2) CUS SINGLE UNIT STANDS FOR A SINGLE UNIT. PRV PRESSURE RELIEF VENT FOR FREEZER APPLICATION (1) CUC 1 HP NON UL CONDENSING UNIT COVER, NON UL LISTED. 1/3–1 H.P. (1) CUC 1.25 – 2.0 H.P. CONDENSING UNIT COVER 1–¼ TO 2 H.P NON UL RATED.

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects

P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net

STATE OF UTAH 261110 LICENSED ARCHITECT
ARCHITECTURE PLANNING DESIGN

CONSULTANT: XYZ ENGINEERING

BUILDING NAME:

UTAH COLLEGE OF APPLIED TECHNOLOGY

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KITCHEN EQUIPMENT FLOOR PLAN

SHEET NUMBER

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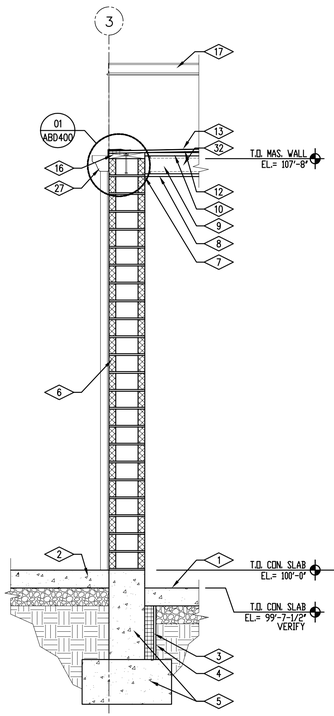

06 ABS301 WALL SECTION

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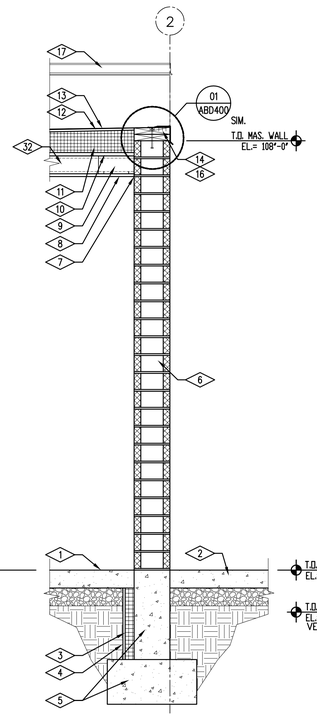

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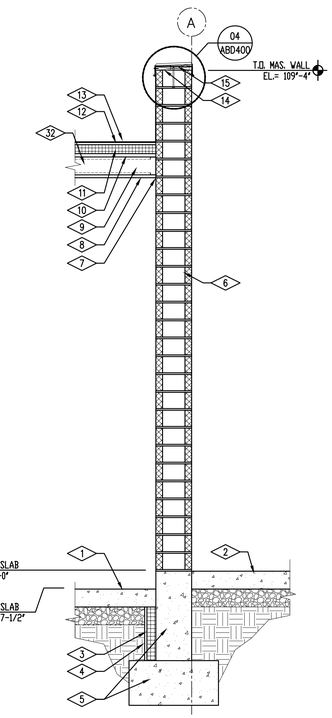

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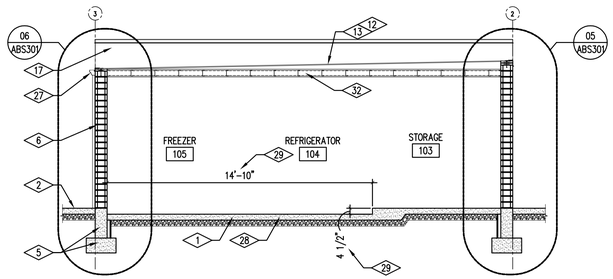

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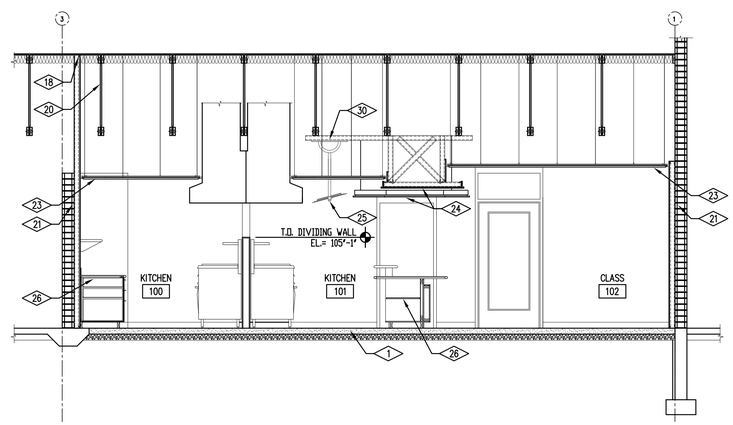

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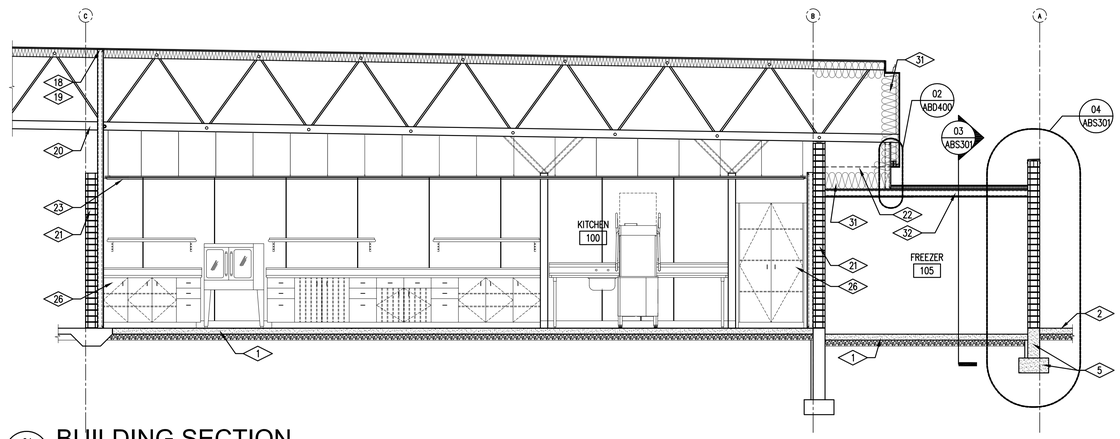

01 ABS301 BUILDING SECTION

SCALE 1/4" = 1'-0"

REFERENCE NOTES

1. 4" CONCRETE FLOOR SLAB OVER 4" COMPACTED ROAD BASE
2. 6" EXTERIOR CONCRETE SLAB OVER 4" COMPACTED ROAD BASE
3. 2" PERIMETER INSULATION
4. ½" PROTECTION BOARD
5. CONCRETE FOOTING AND FOUNDATION SYSTEM, SEE STRUCTURAL DRAWINGS
6. 4" HIGH ATLAS BRICK. NEW BRICK TO MATCH EXISTING BUILDING BRICK, COLOR, SIZE AND FINISH
7. MUDABLE "J" METAL TRIM AT PERIMETER OF CEILING
8. PRIMED AND PAINTED ⅝" TYPE "X" GYPSUM BOARD
9. METAL STUD ROOF FRAMING SYSTEM, SEE STRUCTURAL
10. APA RATED PLYWOOD ROOF SHEATHING, SEE STRUCTURAL
11. TAPERED POLYSTYRENE ROOF INSULATION. SEE ROOF PLAN AND SPECIFICATION.
12. ½" DENZ DECK OVER TAPERED POLYSTYRENE INSULATION MECHANICALLY FASTENED TO ROOF SHEATHING.
13. FULLY ADHEARED TPO MEMBRANE ROOFING SYSTEM, SEE SPECIFICATION
14. 2x TREATED TOP PLATE, SEE DETAILS
15. PREFINISHED METAL FLASHING SYSTEM.
16. SHAPED, TREATED 2x TOP PLATE.
17. PREFINISHED METAL CAP FLASHING BEYOND.
18. WHERE NEW METAL STUDS AND GYPSUM BOARD WALLS TIE INTO THE EXISTING ROOF DECK SYSTEM, THE GENERAL CONTRACTOR SHALL CAREFULLY CUT THE EXISTING CEILING BATT INSULATION AND AFTER THE NEW WALL HAVE BEEN INSTALLED THE GENERAL CONTRACTOR SHALL REATTACH THE EXISTING BATT INSULATION TO CREATE A PROPER/TIGHT FINSHED FIT.
19. WHERE NEW METAL STUD AND GYPSUM BOARD WALL SYSTEMS RUN PERPENDICULAR TO THE EXISTING ROOF JOISTS, THE GENERAL CONTRACTOR SHALL FINISH THE GYPSUM BOARD AROUND THE EXISTING JOISTS TO CREATE AS CLOSE AS POSSIBLE AN AIRTIGHT WALL SYSTEM FROM OTHER SPACES.
20. EXISTING BUILDING ROOF JOIST SYSTEM
21. EXISTING BUILDING MASONRY WALL SYSTEM
22. EXISTING PANEL SOFFIT SYSTEM TO BE REMOVED AS NECESSARY TO INSTALL NEW ROOF FRAMING AND NEW ROOFING SYSTEM.
23. NEW LAY-IN CEILING SYSTEM
24. NEW WOOD CEILING OVER METAL STUD FRAMING SYSTEM.
25. NEW CEILING MOUNTED MIRROR, SEE REFLECTED CEILING PLAN AND A-KE101 DRAWING
26. NEW CASEWORK, SEE CASEWORK DRAWINGS AND INTERIOR ELEVATIONS
27. SEAMLESS, PREFINISHED ALUMINUM RAIN GUTTER WITH DOWN SPOUTS
28. GENERAL CONTRACTOR SHALL RECESS CONCRETE FLOOR SLAB 4-½" AT BUILT IN REFRIGERATOR AND FREEZER LOCATION.
29. VERIFY DIMENSION WITH WALK-IN FREEZER AND REFRIGERATOR MFG.
30. EXTEND METAL STUD FRAMING OVER FOR 8'-0" OF WIDTH AND EACH STUD WITHIN THE 8'-0" WIDTH AT 16" O.C. AT MIRROR LOCATION. ATTACH A ¾" THICK x 2'-6" WIDE x 8'-0" LONG PLYWOOD SHEET TO BOTTOM OF METAL STUDS. ATTACH MIRROR TO PLYWOOD.
31. NEW R-38 BATT INSULATION
32. NEW R-19 BATT INSULATION

GENERAL NOTES

1. GENERAL CONTRACTOR SHALL VERIFY THE REQUIRED CONCRETE FLOOR SLAB RECESS NEEDED AT THE WALK-IN REFRIGERATOR AND FREEZER.

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects

P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net

STATE OF UTAH 261110 LICENSED ARCHITECT
ARCHITECTURE PLANNING DESIGN

CONSULTANT:

BUILDING NAME:

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BUILDING AND WALL SECTIONS

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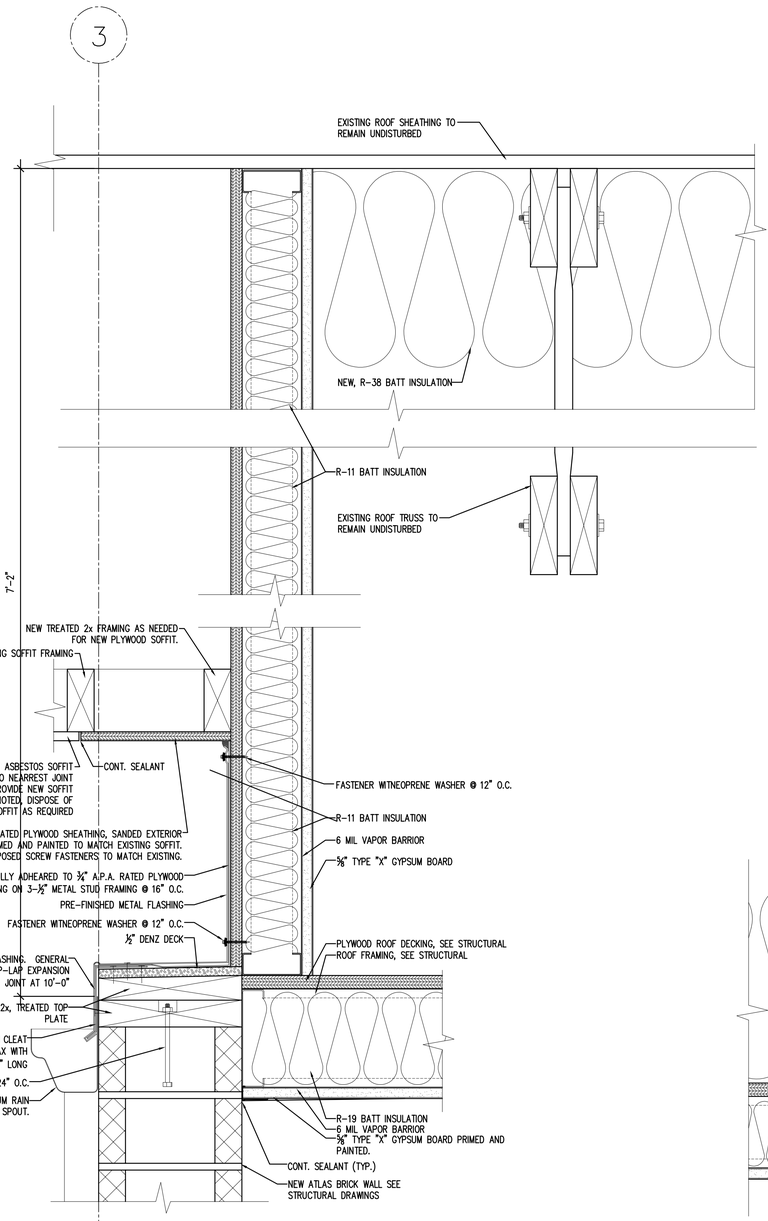
SHEET 7 OF 25



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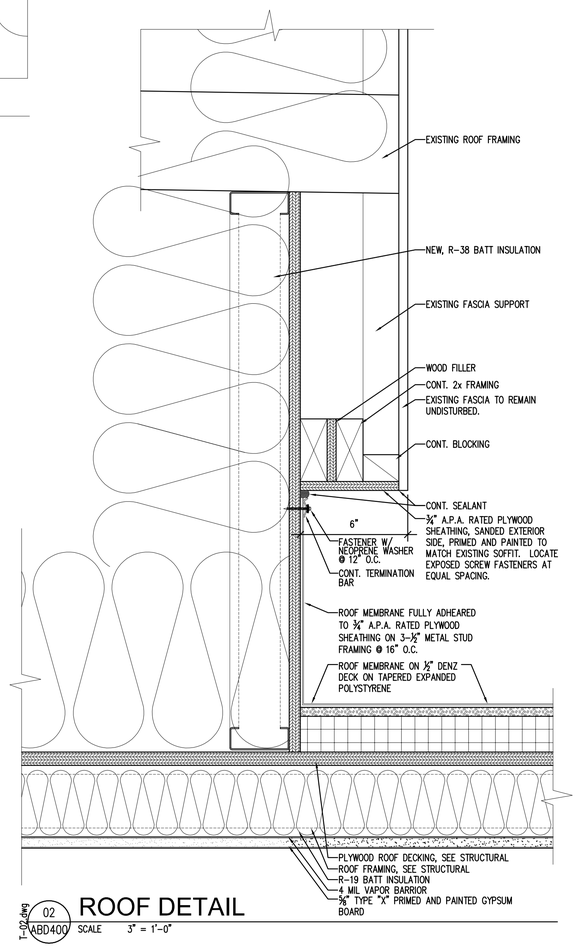
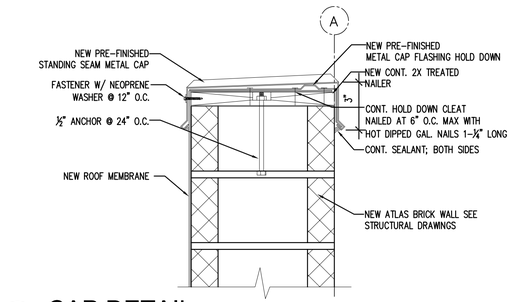
ROOF DETAIL



T-02.dwg 02 ABD400 SCALE 3" = 1'-0"

ROOF DETAIL



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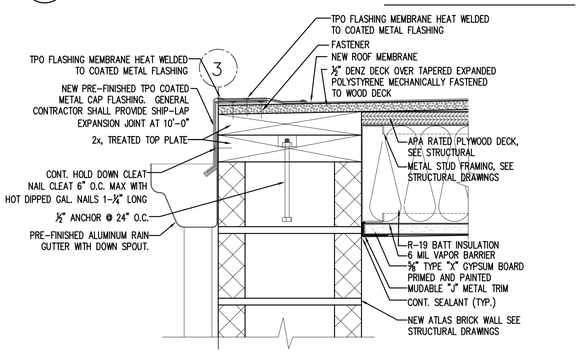
CAP DETAIL



T-02.dwg 01 ABD400 SCALE 3" = 1'-0"

CAP DETAIL

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects

P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net

STATE OF UTAH BRENT A. TATTON 261110 LICENSED ARCHITECT
ARCHITECTURE PLANNING DESIGN

CONSULTANT:

BUILDING NAME:

UTAH COLLEGE OF APPLIED TECHNOLOGY

UNITAH BASIN ATC CULINARY ARTS KITCHEN INPROVEMENTS

1100 EAST LAGOON ST. ROOSEVELT, UTAH

PROJECT TITLE:

UTAH COLLEGE OF APPLIED TECHNOLOGY

1100 EAST LAGOON ST. ROOSEVELT, UTAH

UNITAH BASIN ATC CULINARY ARTS KITCHEN INPROVEMENTS

MARK	DATE	DESCRIPTION

ISSUE TYPE: REVIEW DOCUMENTS

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DFCM PROJECT NO: 06302250
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: BRIAN AND SCOTT
CHK'D BY: SCOTT

SHEET TITLE

BUILDING DETAILS

SHEET NUMBER

A-BD400

SHEET 8 OF 25

1 2 3 4

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING TYPE	CEILING HEIGHT	NOTES 1. NOTE
100	KITCHEN	F1	B2	W2	W2	W2	W2	CT-1	8'-5"	
101	KITCHEN	F1	B2	W2	W4	W2	—	CT-1 / CT-4	8'-5"	
102	CLASS	F2	B1	W1	—	W1	W1 / W4	CT-2 / CT-4	9'-0"	
103	STORAGE	F3	B1	W3	W3	W3	W3	CT-3	7'-4"	
104	REFRIGERATOR	F3	B1	W3	W3	W3	W3	CT-3	7'-4"	
105	FREEZER	F3	B1	W3	W3	W3	W3	CT-3	7'-4"	

D

DOOR AND FRAME SCHEDULE

DOOR	SINGLE/PAIR	DOOR SIZE WxH	DOOR DEPTH	DOOR TYPE	DOOR MATL	DOOR FINISH	FRAME DEPTH	FRAME TYPE	FRAME MATL	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL THRSH	HARDWARE GROUP	FIRE RATING DOOR & FRAME	NOTE 1.GENERAL CONTRACTOR SHALL VERIFY SIZE OF FINISHED DOOR REQUIRED
102A	S	3'-3" X 7'-0"	1½"	B	ALUM.	ANOD.	4-1/2"	02	ALUM.	ANOD.	11/ADT500	12/ADT500	06/ADT500	1	NONE	CUSTOM DOOR SIZE
103A	S	3'-0" X 7'-0"	1¾"	A	WD	STAIN	5-3/4"	01	HM	PAINT	17/ADT500	13/ADT500	03/ADT500	2	NONE	SEE NOTE 1 ABOVE

FLOOR FINISHES

F-1	V.C.T. FLOORING SYSTEM, SEE SPECIFICATION
F-2	CHEMICALLY STAINED CONCRETE FLOORING SYSTEM, SEE SPEC
F-3	SEALED CONCRETE FLOORING

BASE TYPES

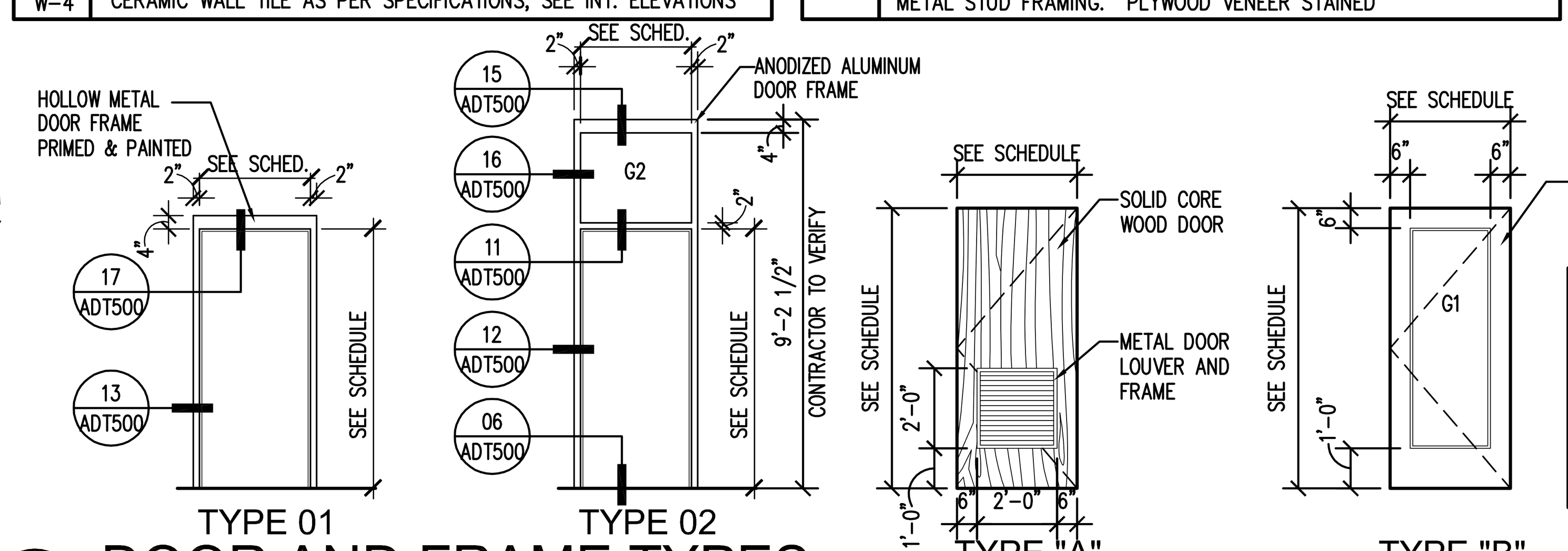
B-1	4" COVED RUBBER WALL BASE
B-2	5" COVED EPOXY WALL BASE, SEE DETAILS 01&02/ADT500

WALL FINISHES

W-1	PRIMED AND PAINTED GYPSUM BOARD WALLS
W-2	FIBERGLASS REINFORCED PANELS AND TRIM
W-3	4" EXPOSED MASONRY
W-4	CERAMIC WALL TILE AS PER SPECIFICATIONS, SEE INT. ELEVATIONS

CEILING TYPES

CT-1	2'x2' LAY-IN CEILING SYSTEM, CT-1 CEILING AS PER SPECIFICATION
CT-2	2'x2' LAY-IN CEILING SYSTEM, CT-2 CEILING AS PER SPECIFICATION
CT-3	⅝" TYPE GYPSUM BOARD PRIMED AND PAINTED
CT-4	¾" MAKORE, QUARTED FIDDLEBACK VENEER PLYWOOD ATTACHED TO METAL STUD FRAMING. PLYWOOD VENEER STAINED



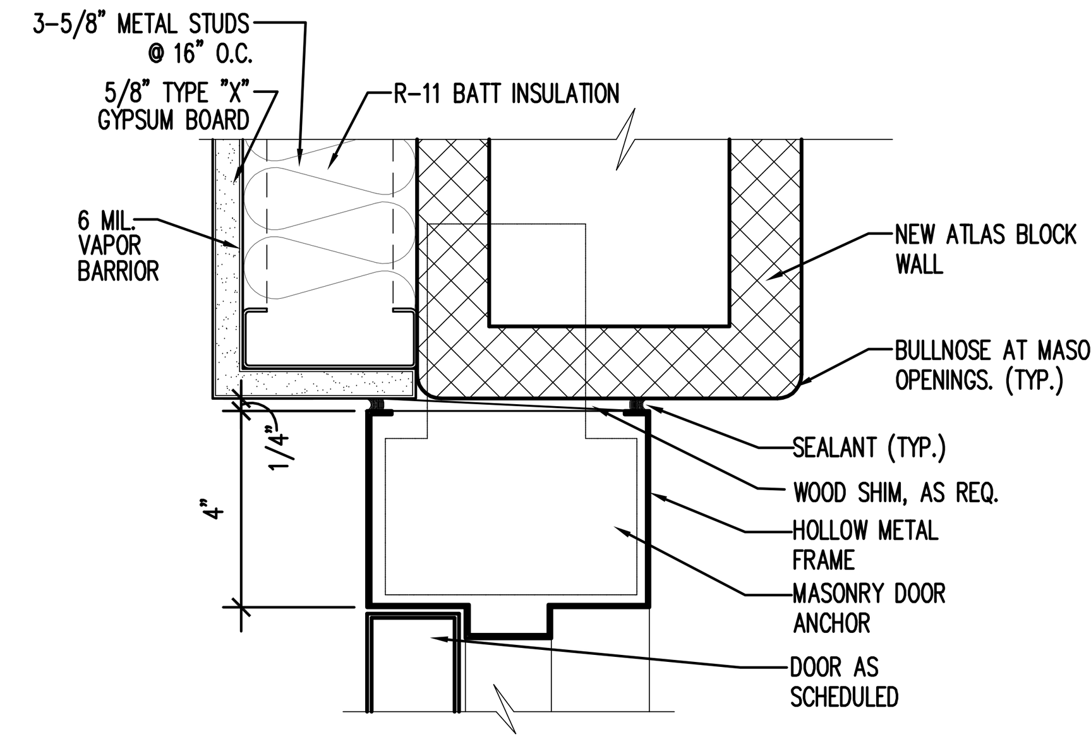
GLAZING TYPES

G1	1" INSULATED, TEMPERED GLAZING
G2	1" INSULATED GLAZING,

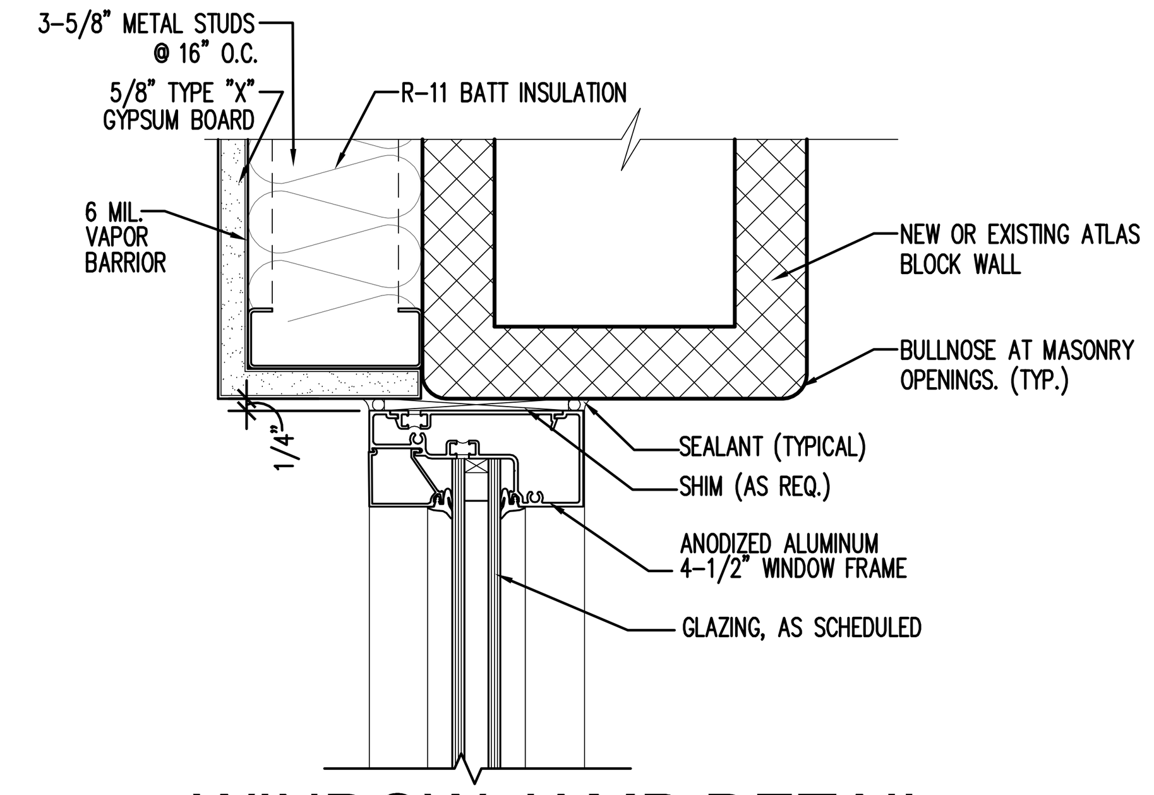
NOTE: GLAZING TINT TO MATCH EXISTING BUILDING GLAZING

C

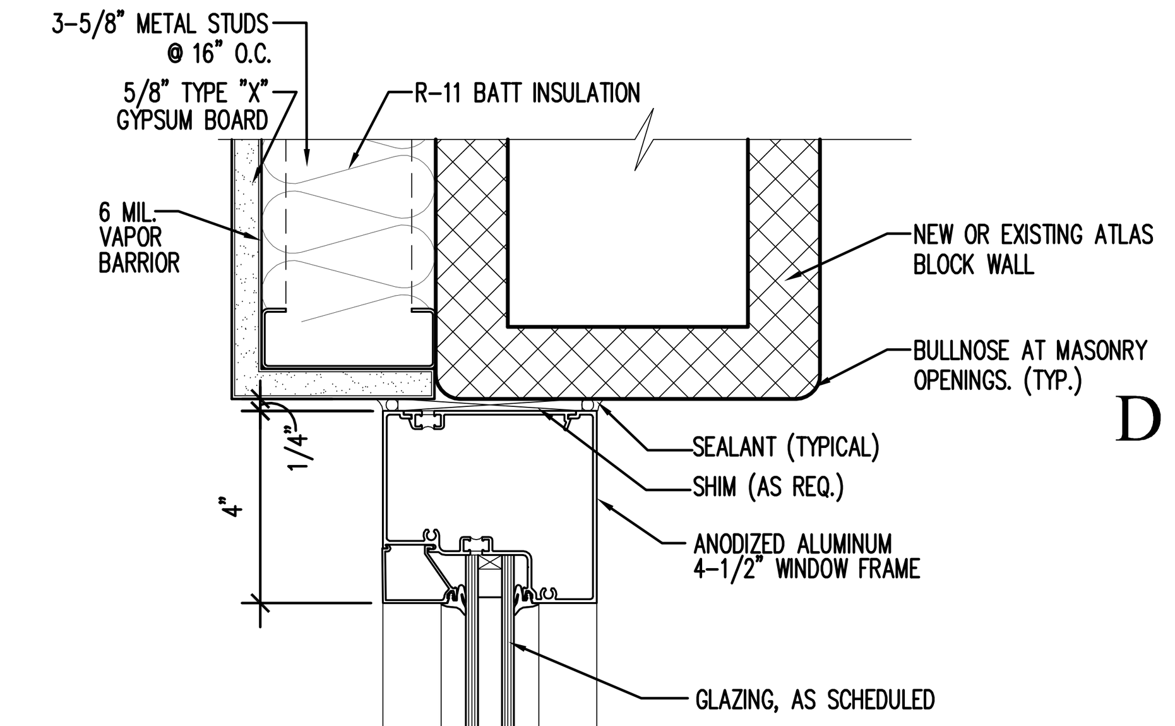
14 ADT500 DOOR AND FRAME TYPES
SCALE 1/4" = 1'-0"



17 ADT500 DOOR HEAD DETAIL
SCALE 3" = 1'-0"



16 ADT500 WINDOW JAMB DETAIL
SCALE 3" = 1'-0"



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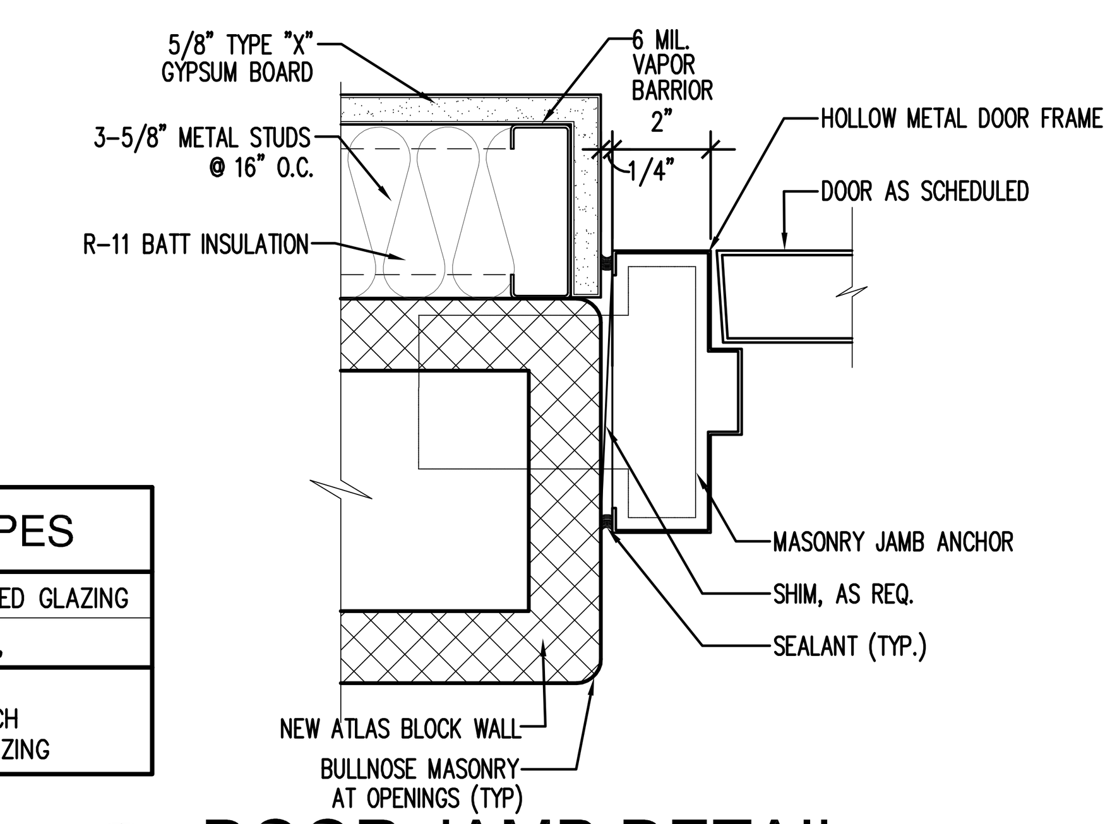

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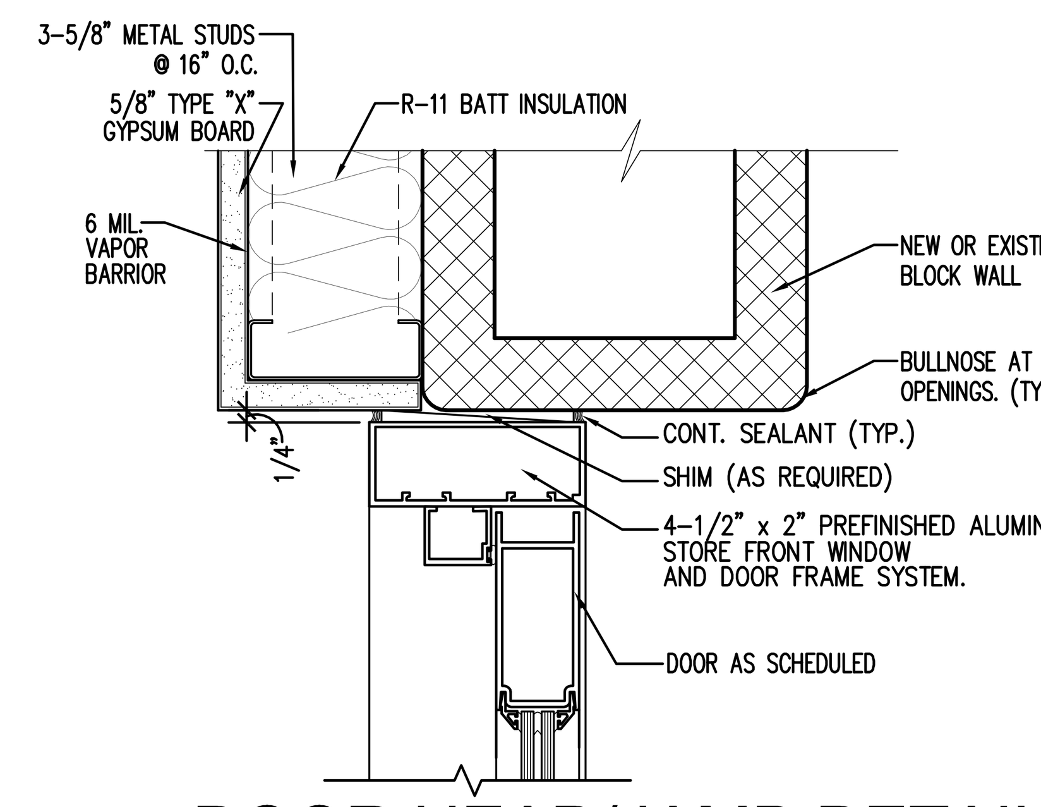
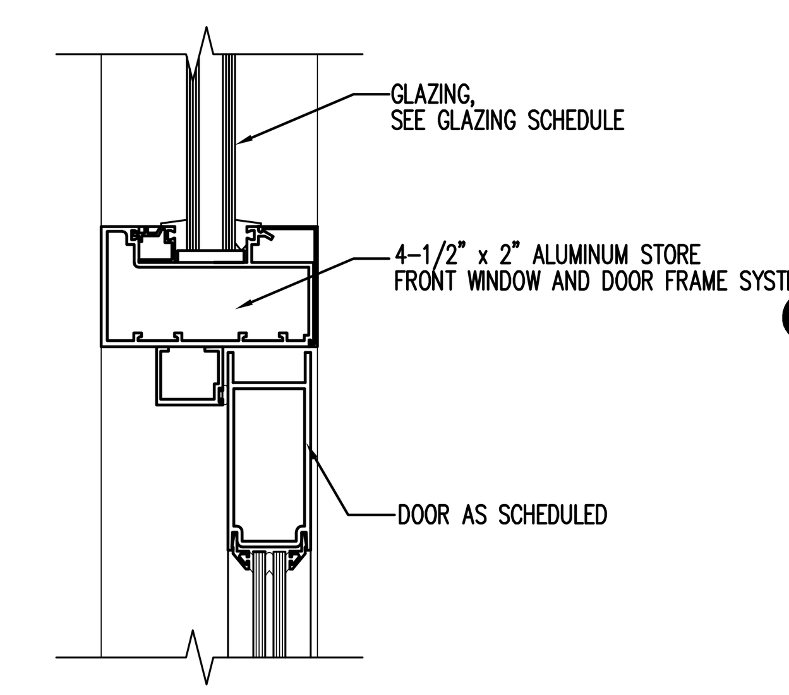
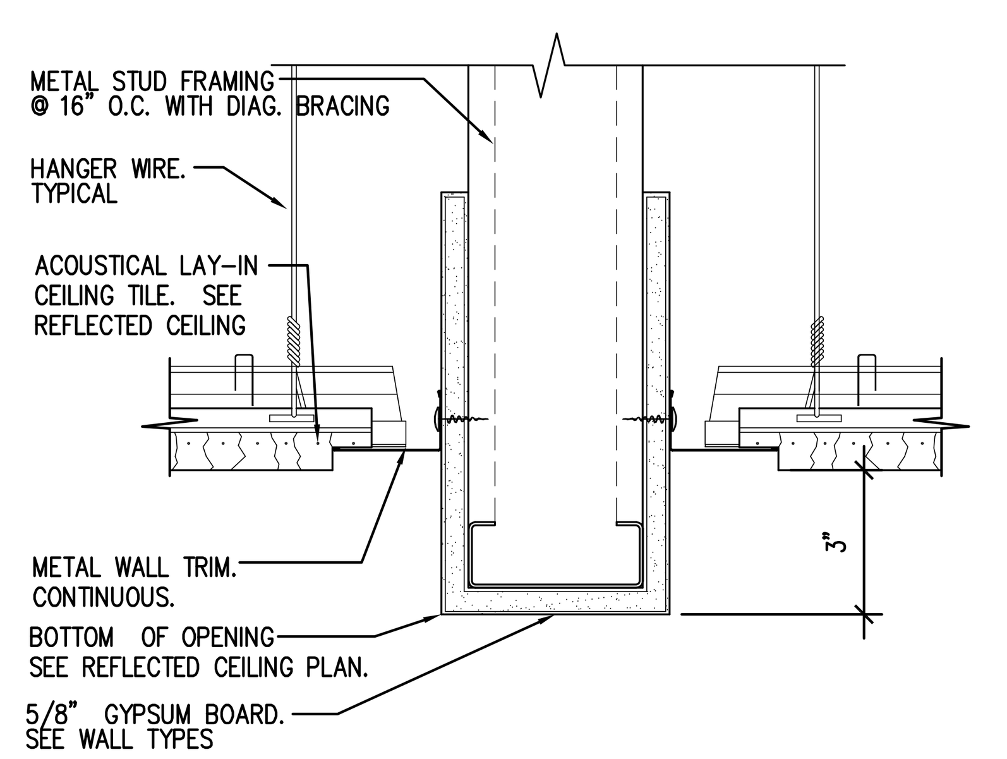


12 ADT500 DOOR HEAD/JAMB DETAIL
SCALE 3" = 1'-0"

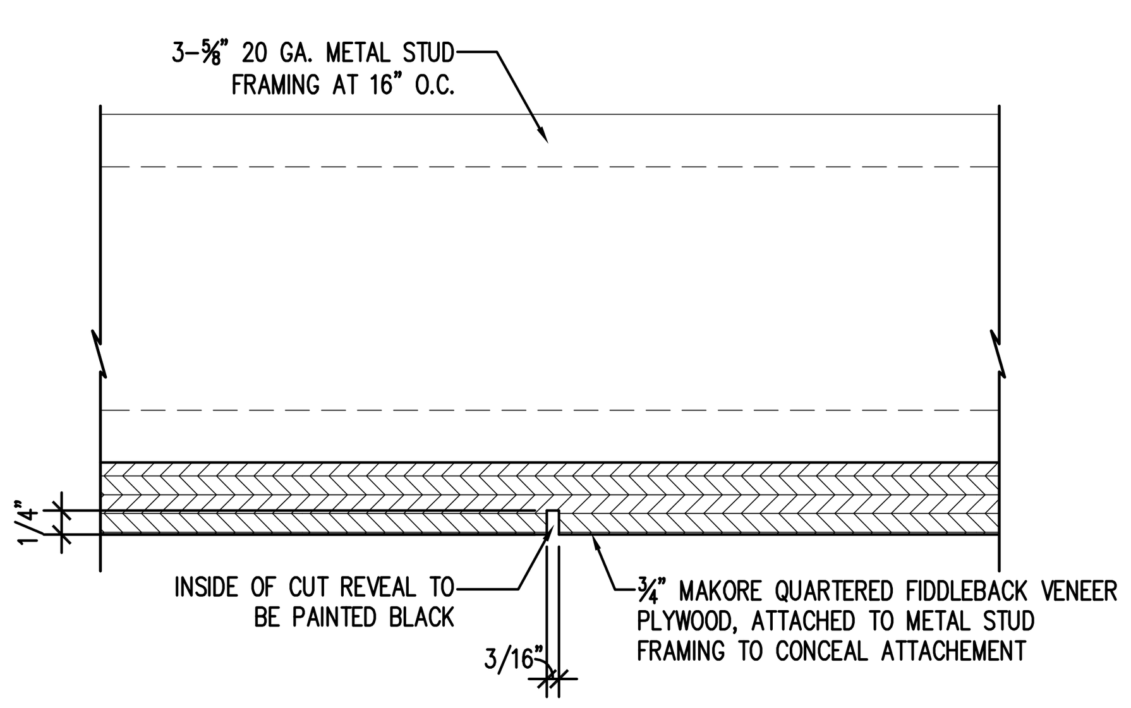


11 ADT500 DOOR HEAD DETAIL
SCALE 3" = 1'-0"

B



10 ADT500 BULK HEAD DETAIL
SCALE 3" = 1'-0"



09 ADT500 CEILING REVEAL DETAIL
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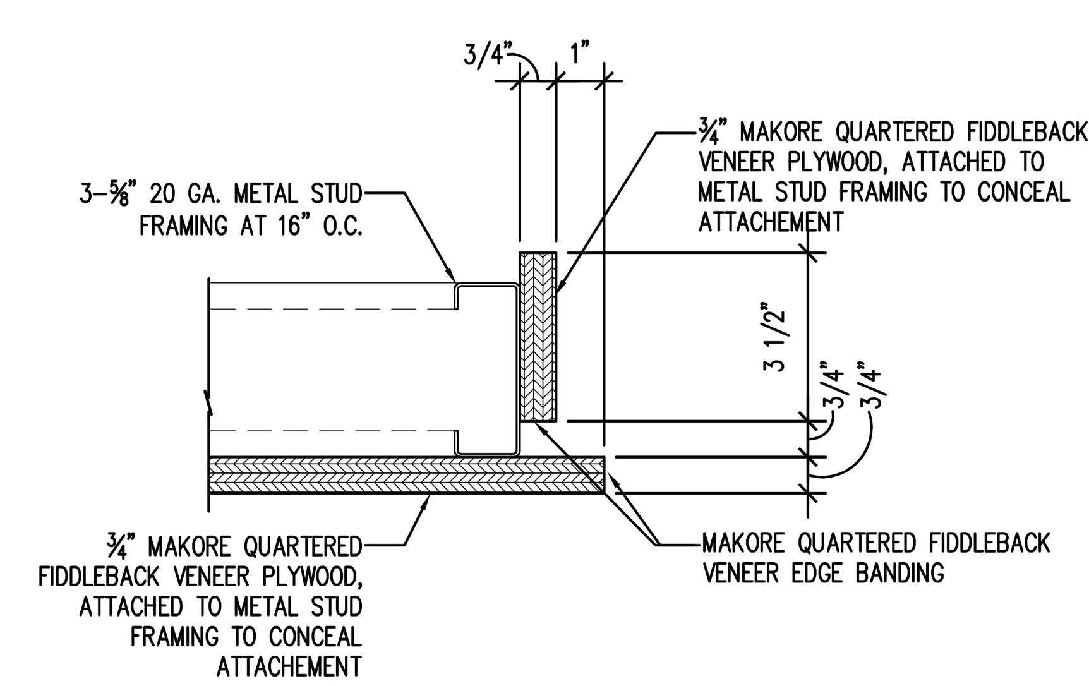

08 ADT500 CEILING DETAIL
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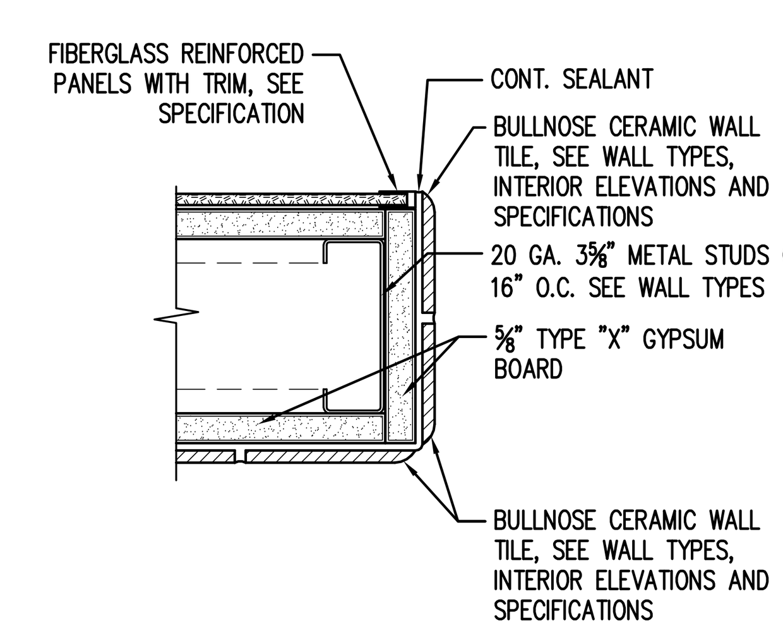

07 ADT500 CERAMIC TILE DETAIL
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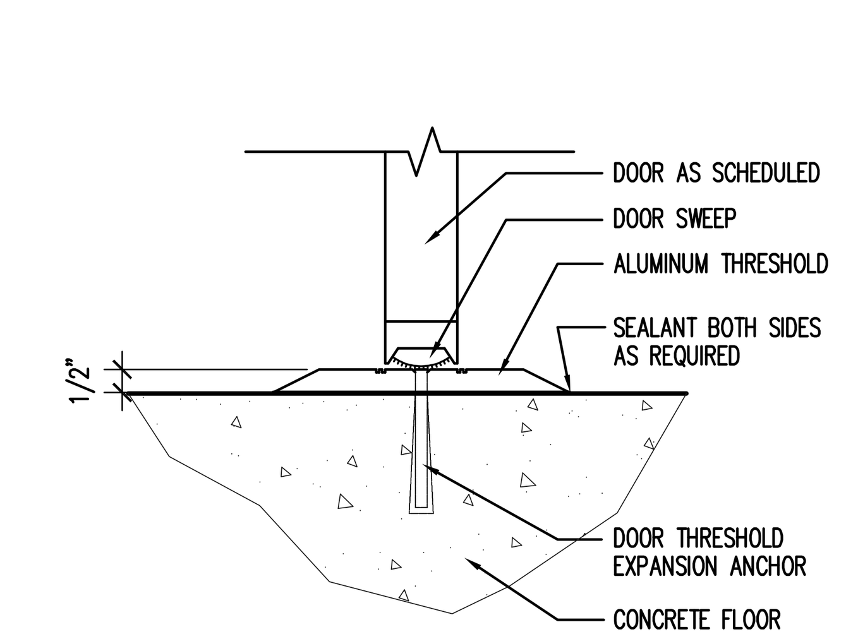
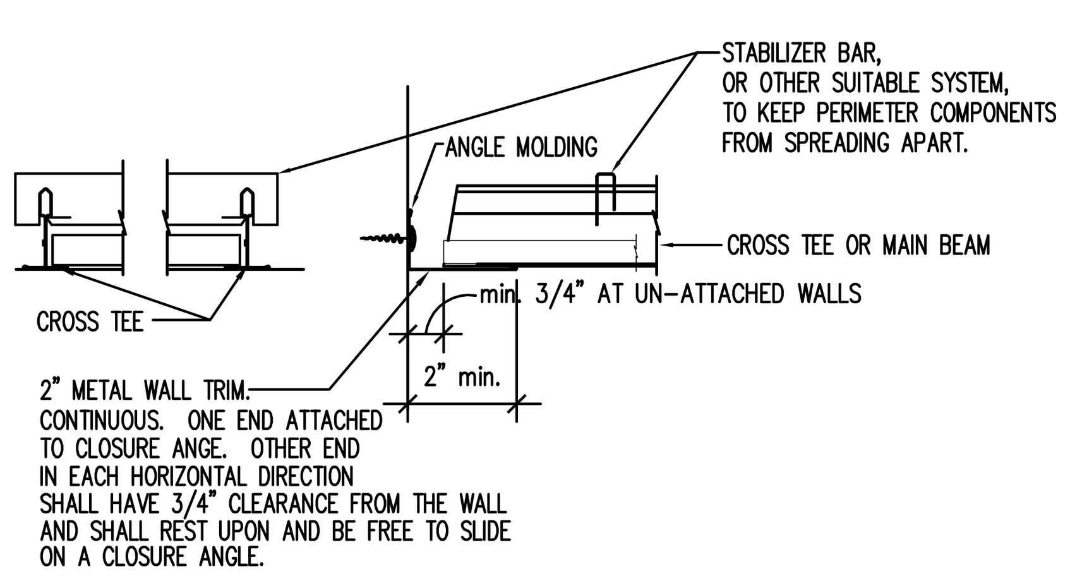


06 ADT500 THRESHOLD
SCALE 3" = 1'-0"

A



05 ADT500 LAY-IN CEILING DETAIL
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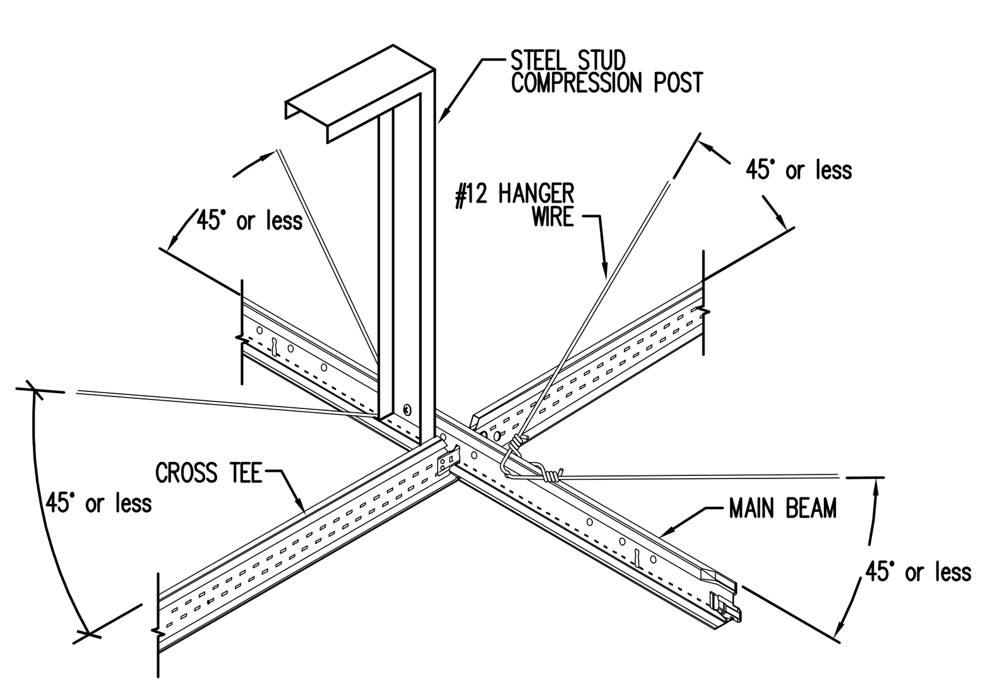

04 ADT500 HORIZONTAL RESTRAINT
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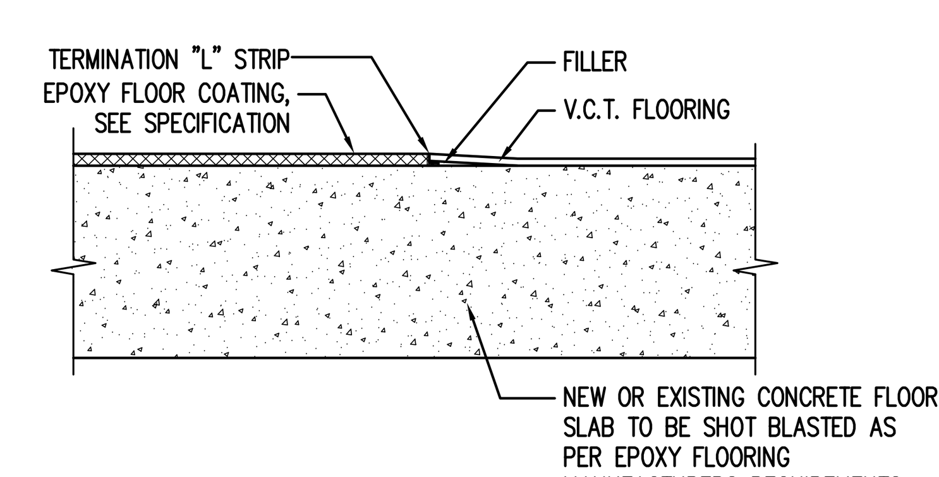
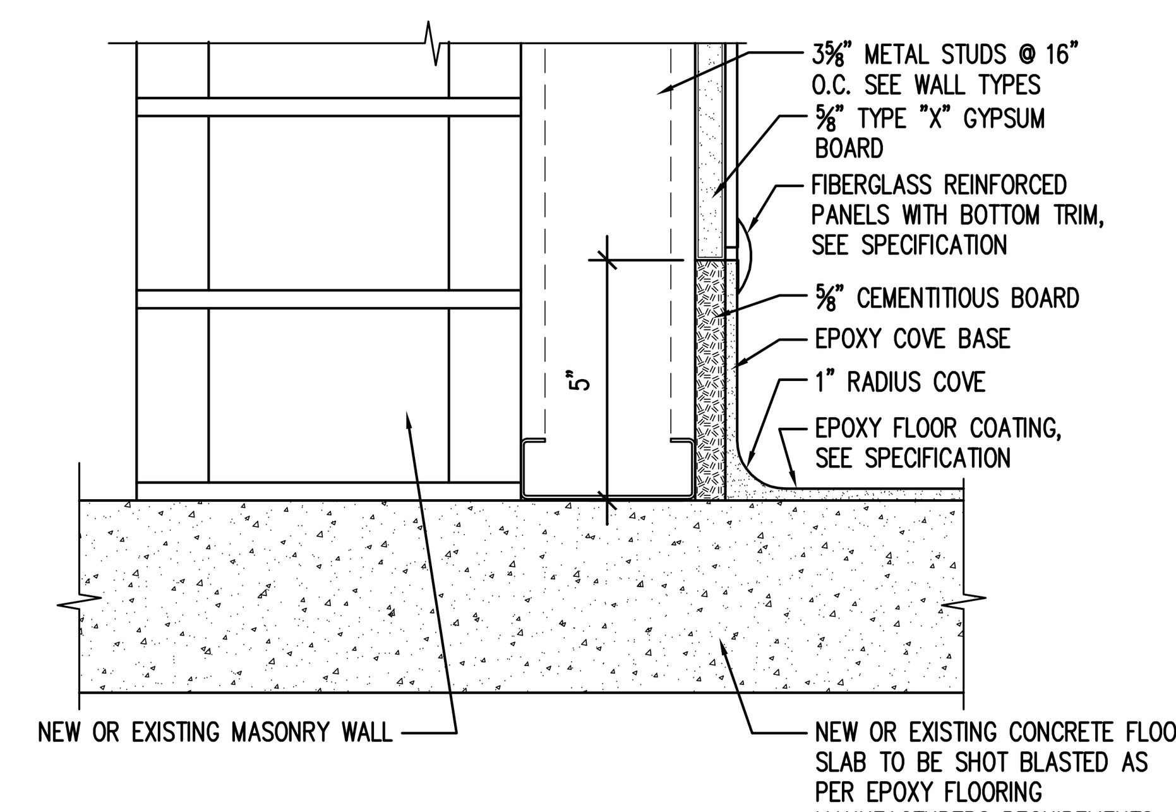
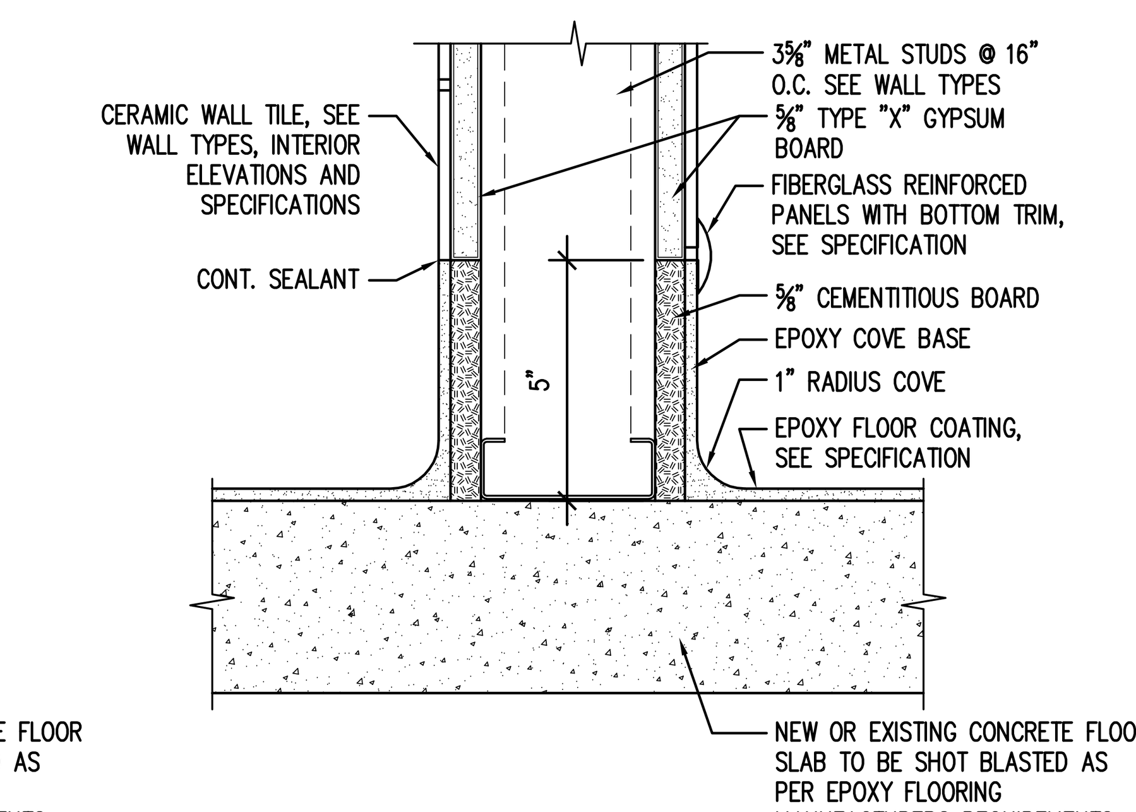


03 ADT500 FLOOR TRANSITION DETAIL
SCALE



02 ADT500 EPOXY COVE BASE DETAIL
SCALE



01 ADT500 EPOXY COVE BASE DETAIL
SCALE

1 2 3 4 5

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
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STATE OF UTAH SCOTT R. PRIOR 261110 LICENSED ARCHITECT
ARCHITECTURE PLANNING DESIGN

CONSULTANT: XYZ ENGINEERING

BUILDING NAME:
UTAH COLLEGE OF APPLIED TECHNOLOGY
UNITAH BASIN ATC CULINARY ARTS KITCHEN INPROVEMENTS
1100 EAST LAGOON ST. ROOSEVELT, UTAH

PROJECT TITLE:
UTAH COLLEGE OF APPLIED TECHNOLOGY
1100 EAST LAGOON ST. ROOSEVELT, UTAH
UNITAH BASIN ATC CULINARY ARTS KITCHEN INPROVEMENTS

MARK	DATE	DESCRIPTION

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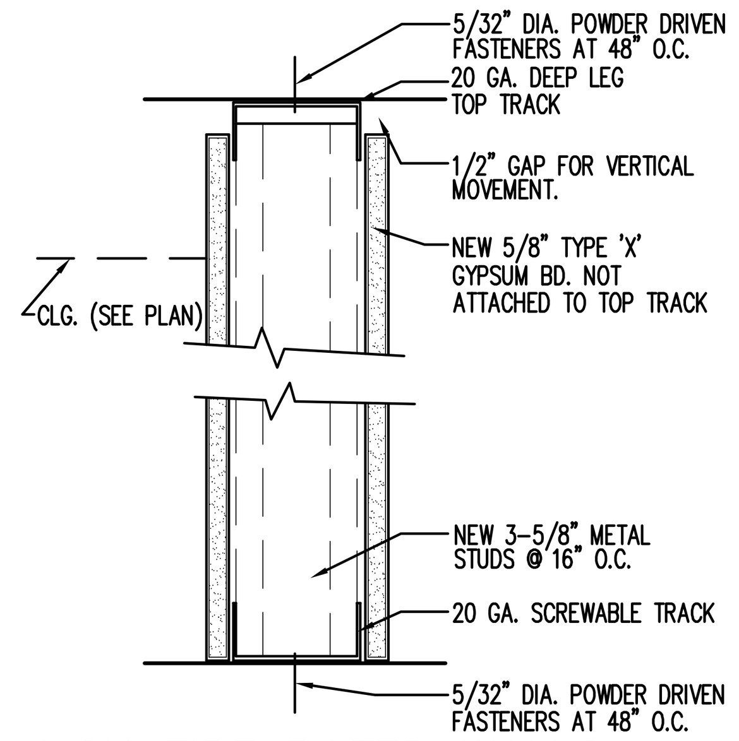
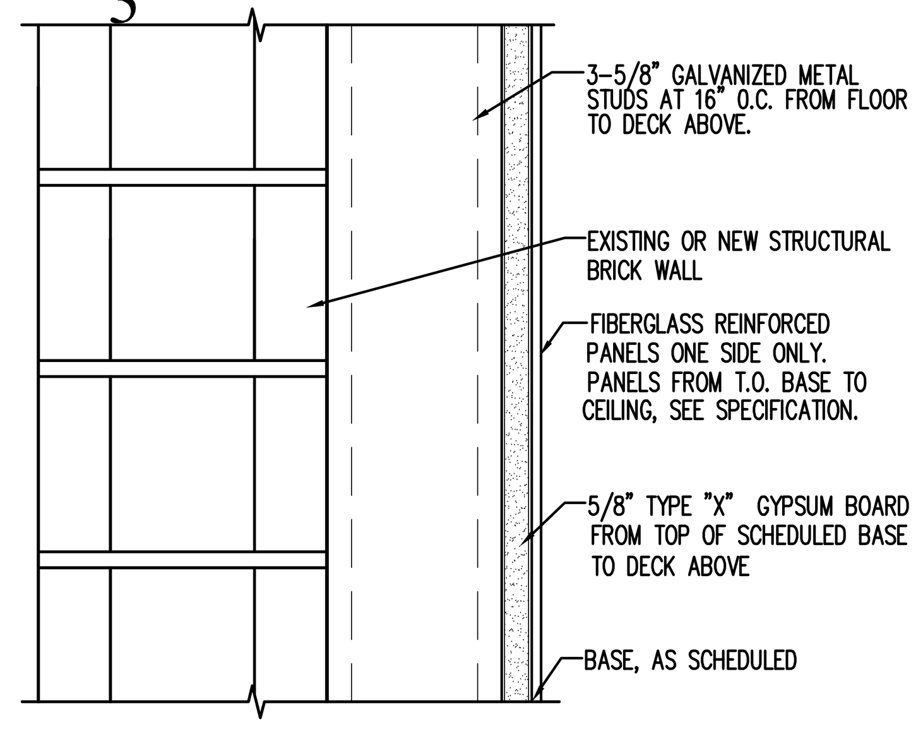
CAD DWG FILE:
DRAWN BY: BRIAN AND SCOTT
CHK'D BY: SCOTT

SHEET TITLE
FINISH AND DOOR SCHEDULES, DOOR AND FINISH DETAILS

SHEET NUMBER
A-DT500

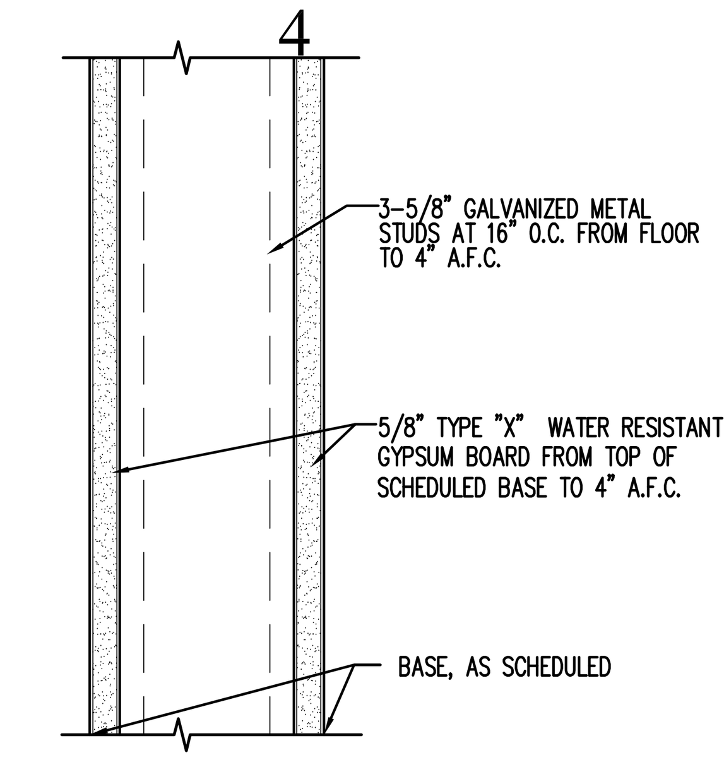


NON FIRE RATED WALLS
HEAD DETAIL



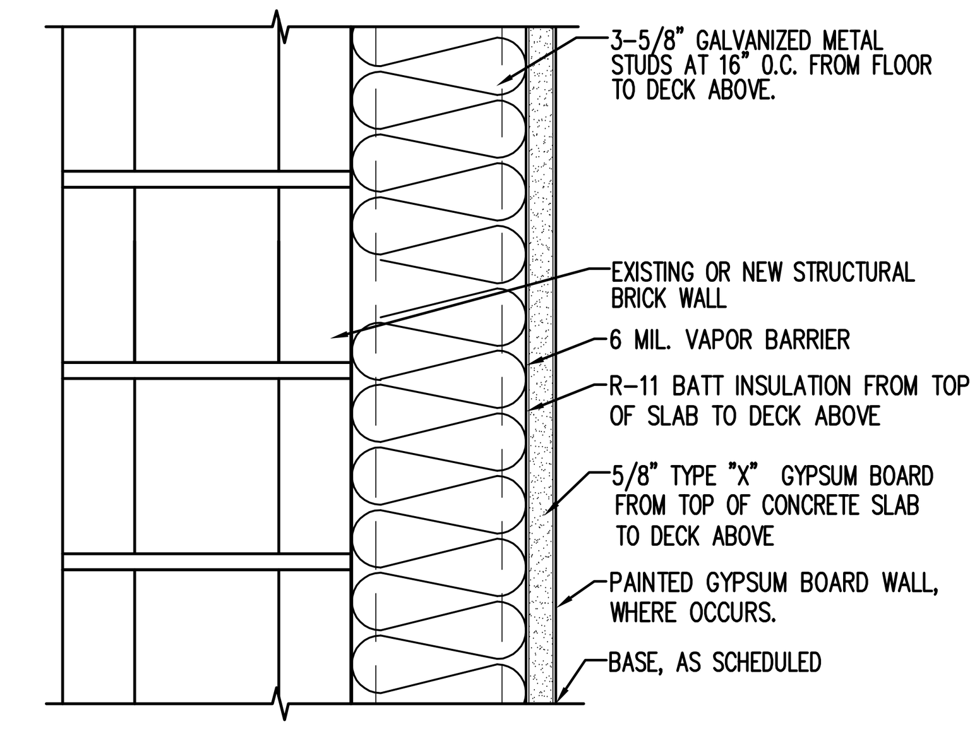
GYPSUM BOARD AND METAL STUDS TO DECK ABOVE

TYPE 08



GYPSUM BOARD AND METAL STUDS TO 4" ABOVE FINISHED CEILING

TYPE 07



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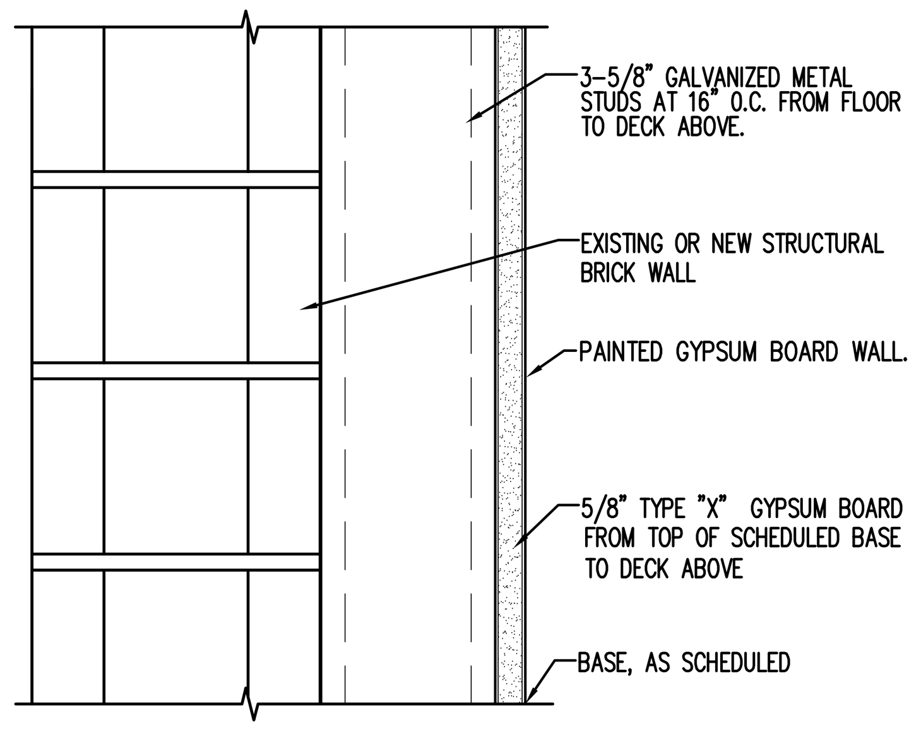

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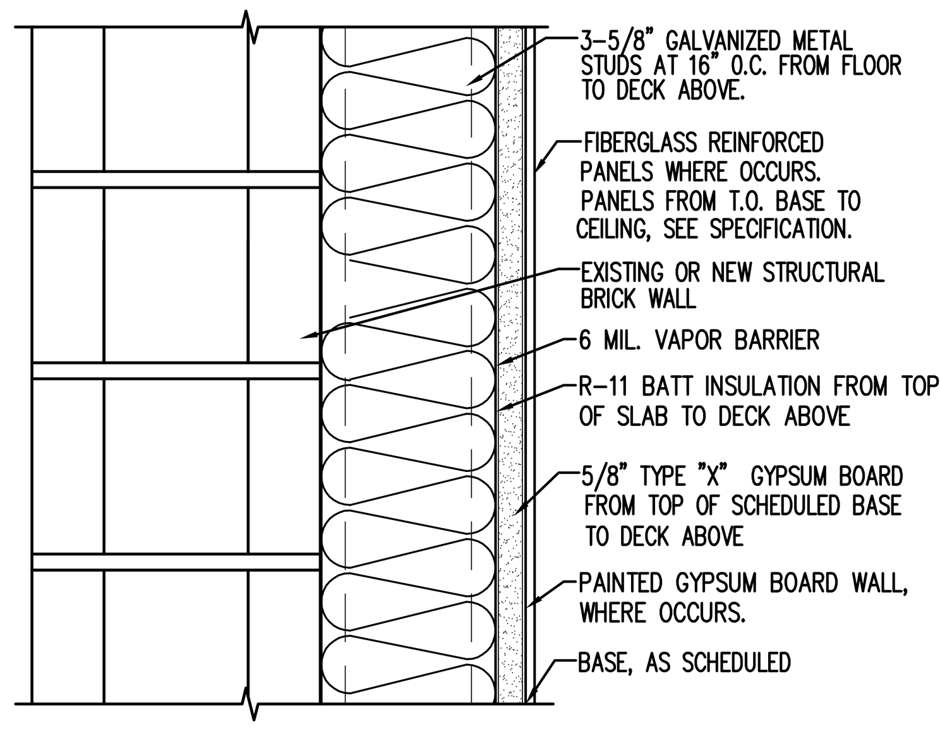

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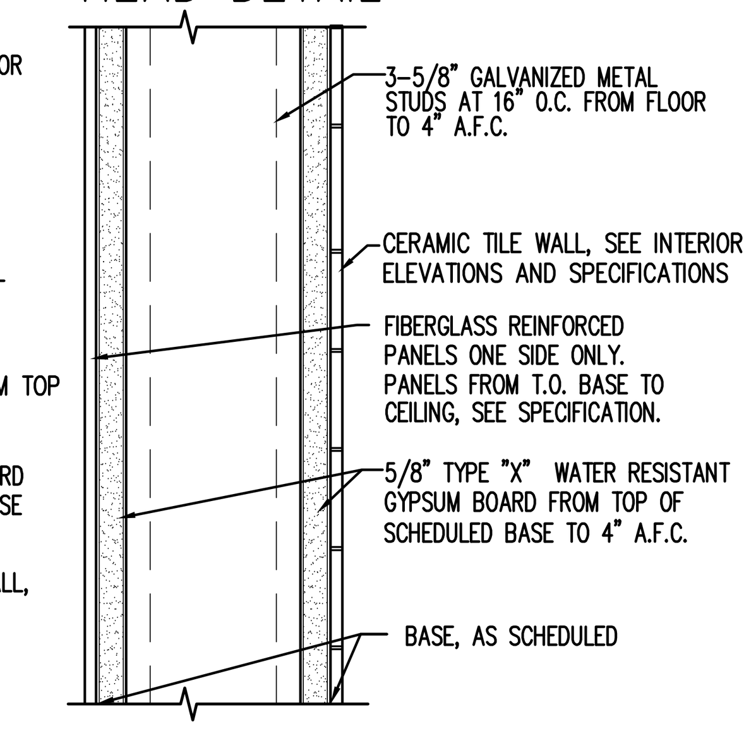

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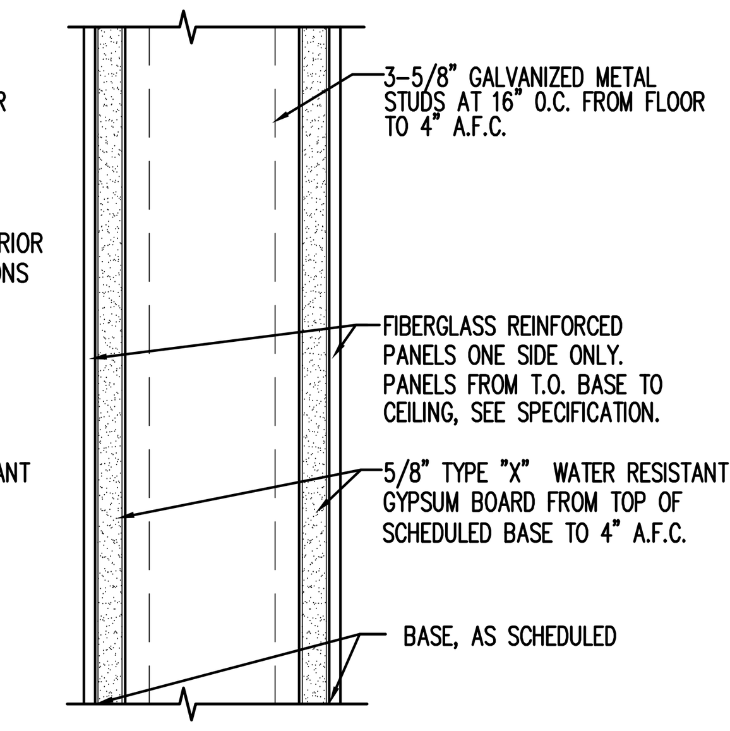

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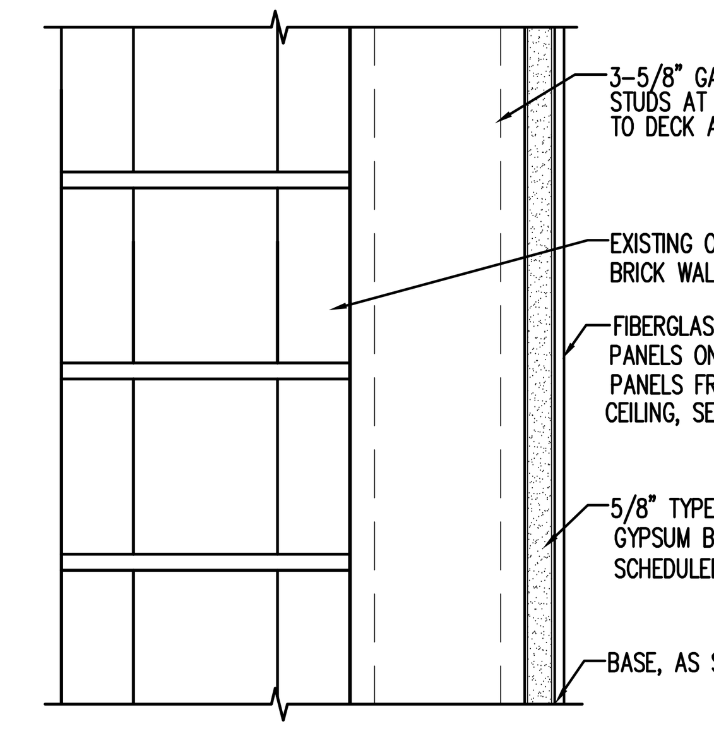
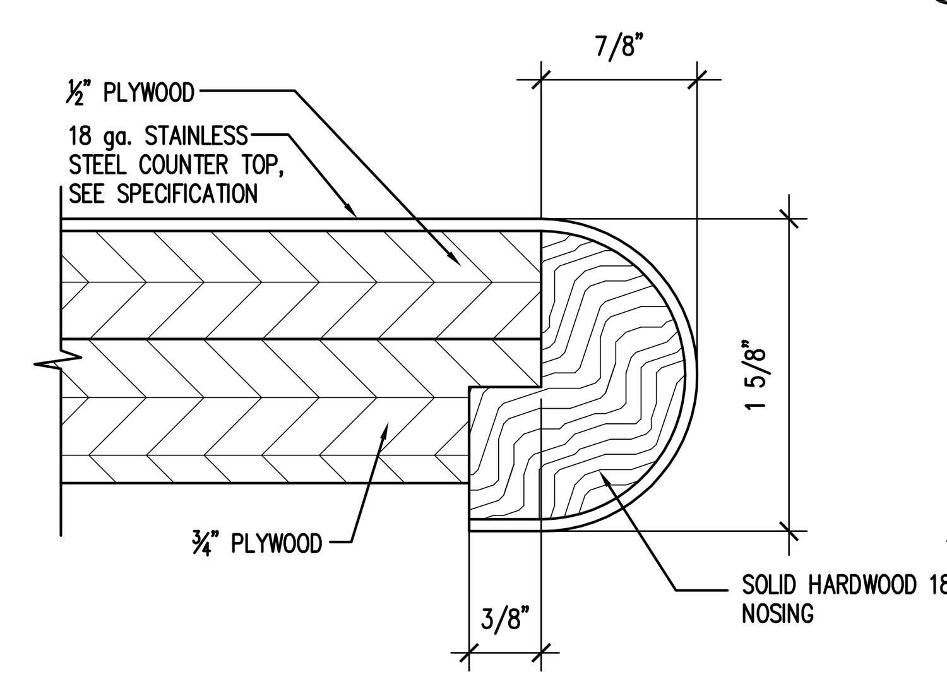


GYPSUM BOARD AND METAL STUDS TO DECK ABOVE

TYPE 01

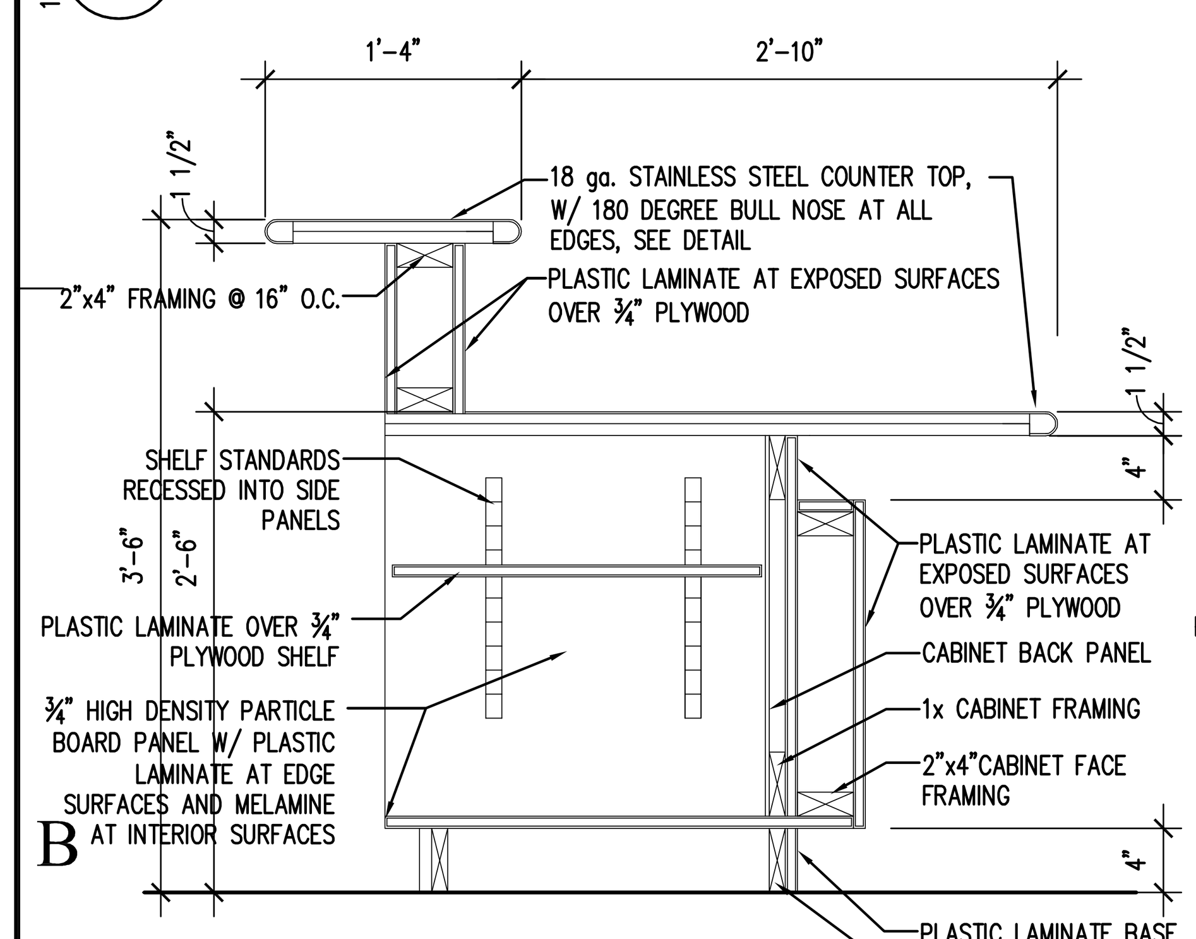
11 WALL TYPES

1-01.dwg ACW800 SCALE 3" = 1'-0"



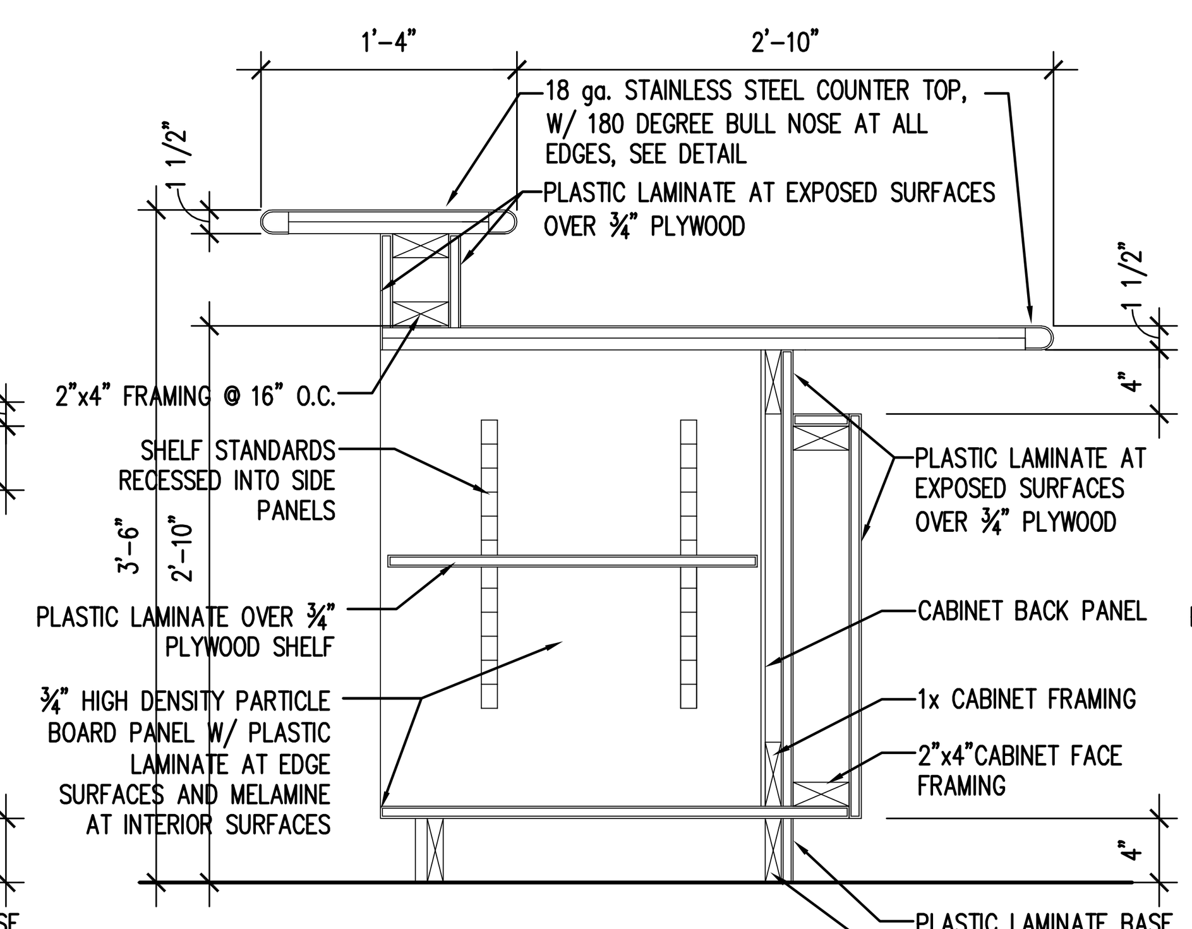
10 COUNTER TOP NOSING DETAIL

7-06.dwg ACW800 SCALE 12" = 1'-0"



09 A.D.A. CASEWORK SECTION

7-03.dwg ACW800 SCALE 1" = 1'-0"



08 CASEWORK SECTION

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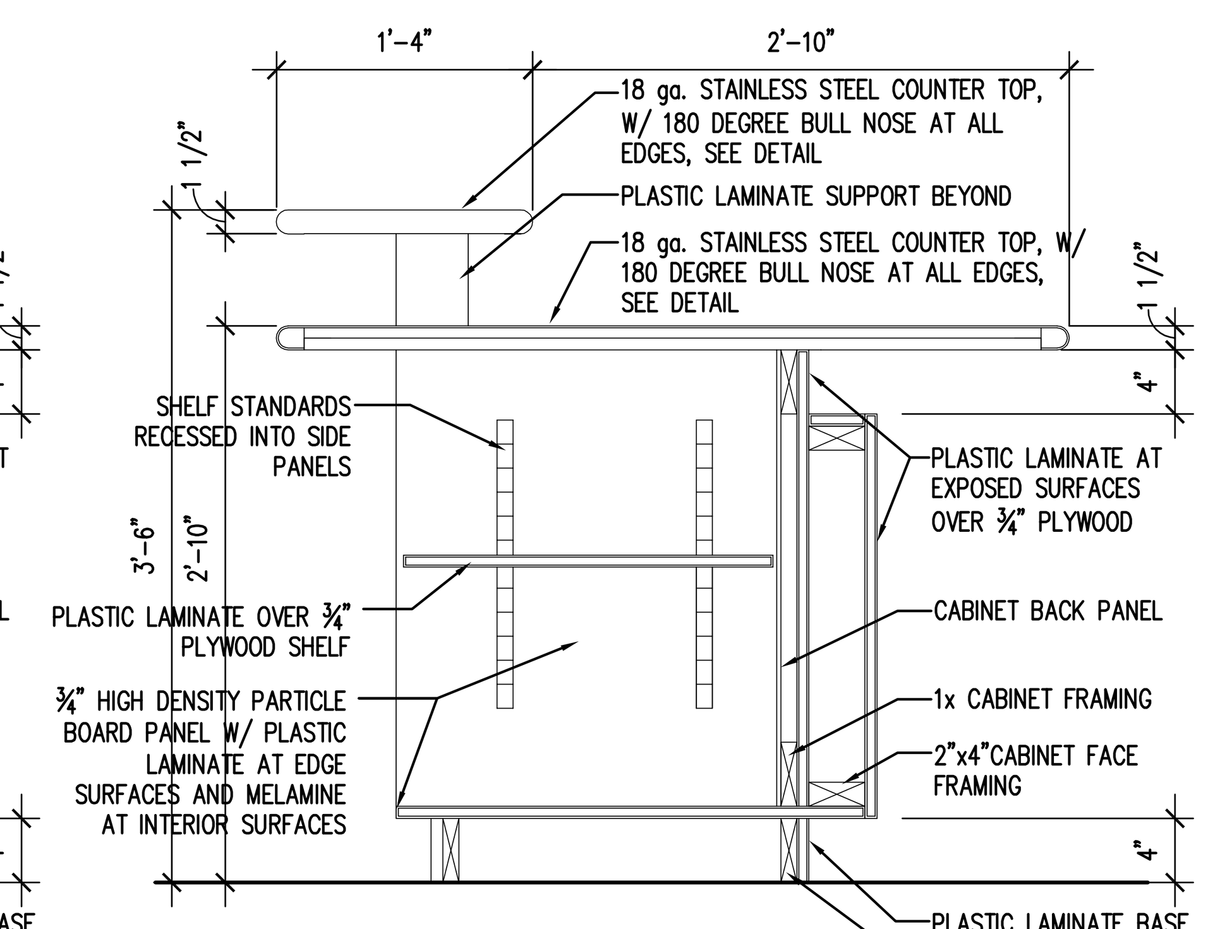

07 CASEWORK SECTION

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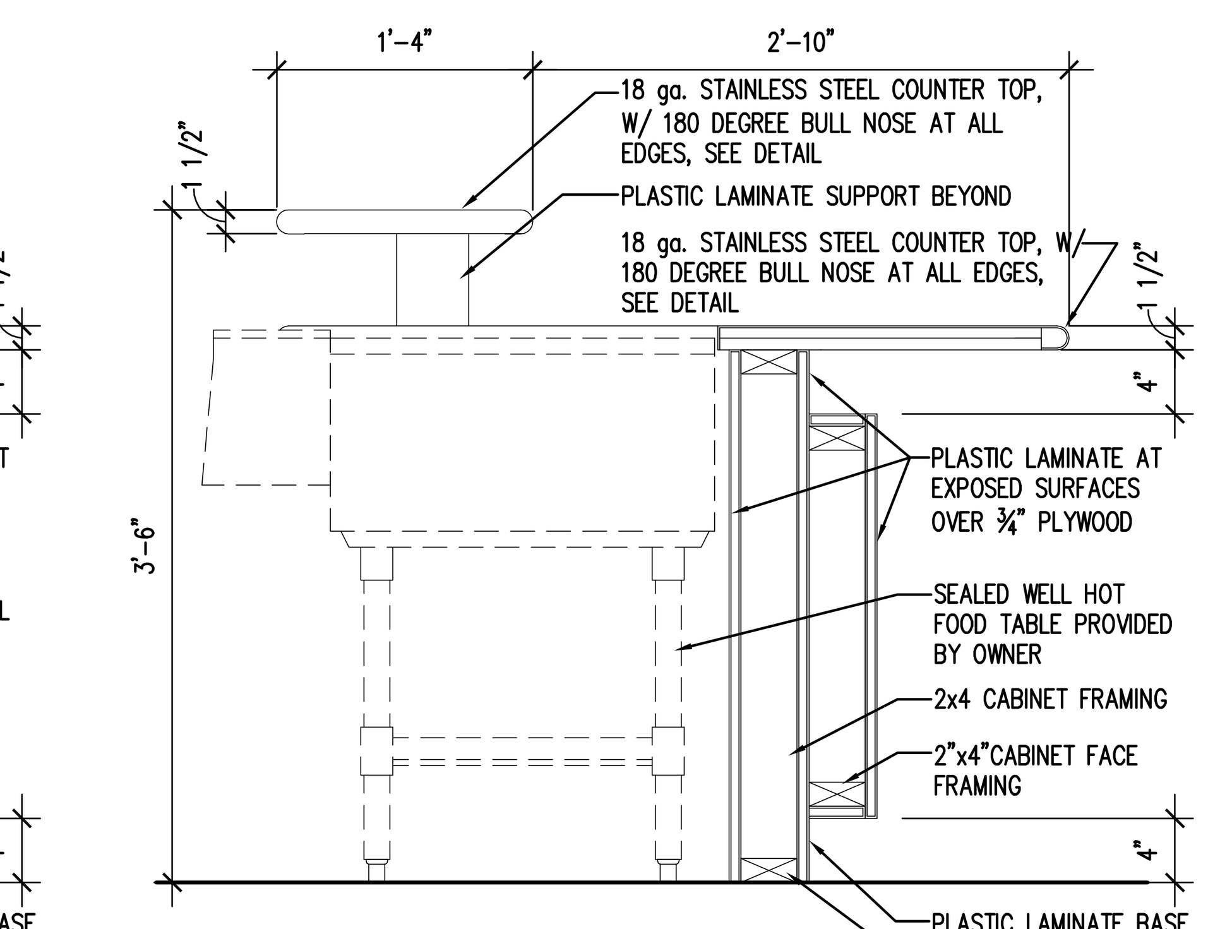

06 CASEWORK SECTION

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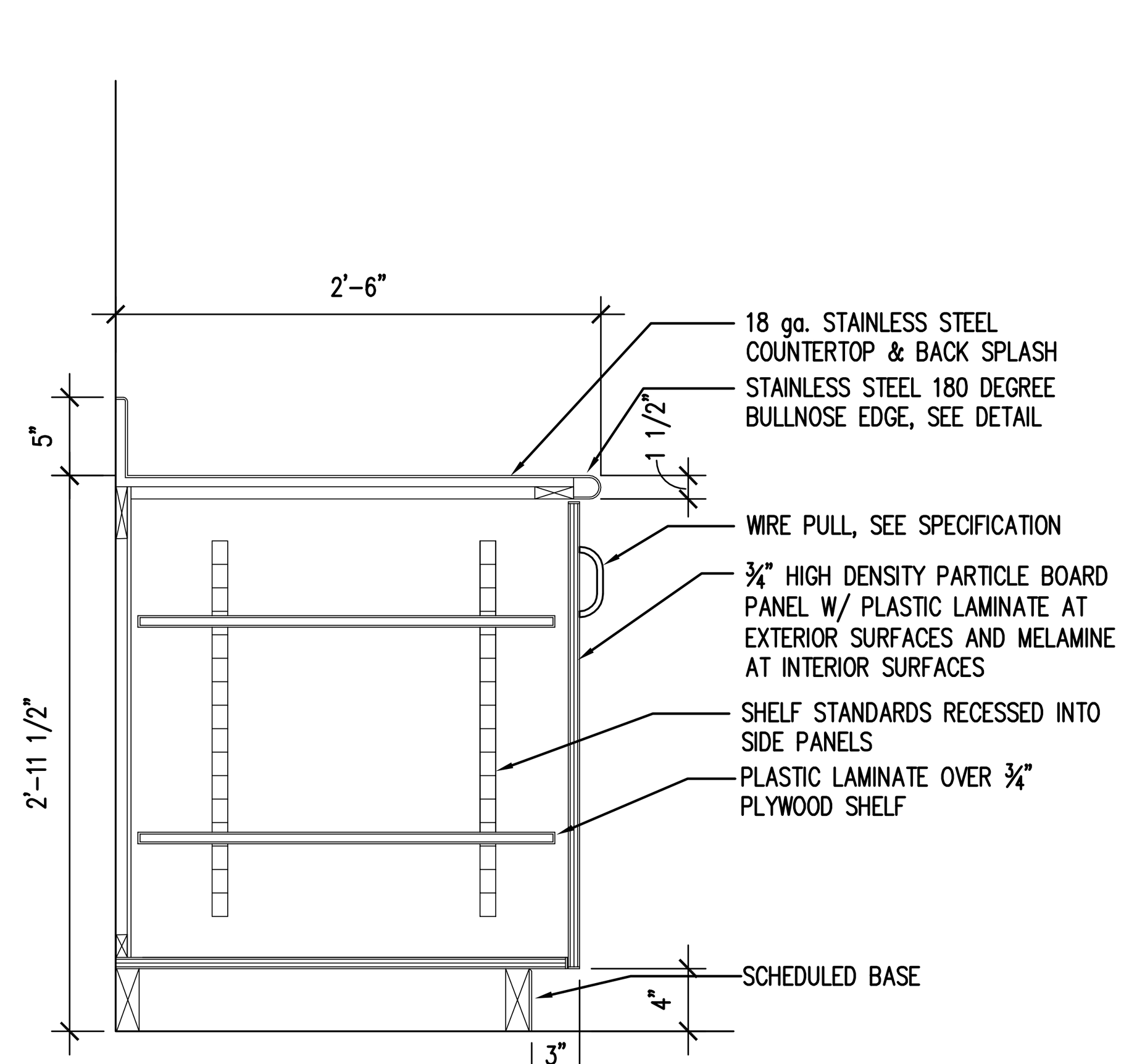

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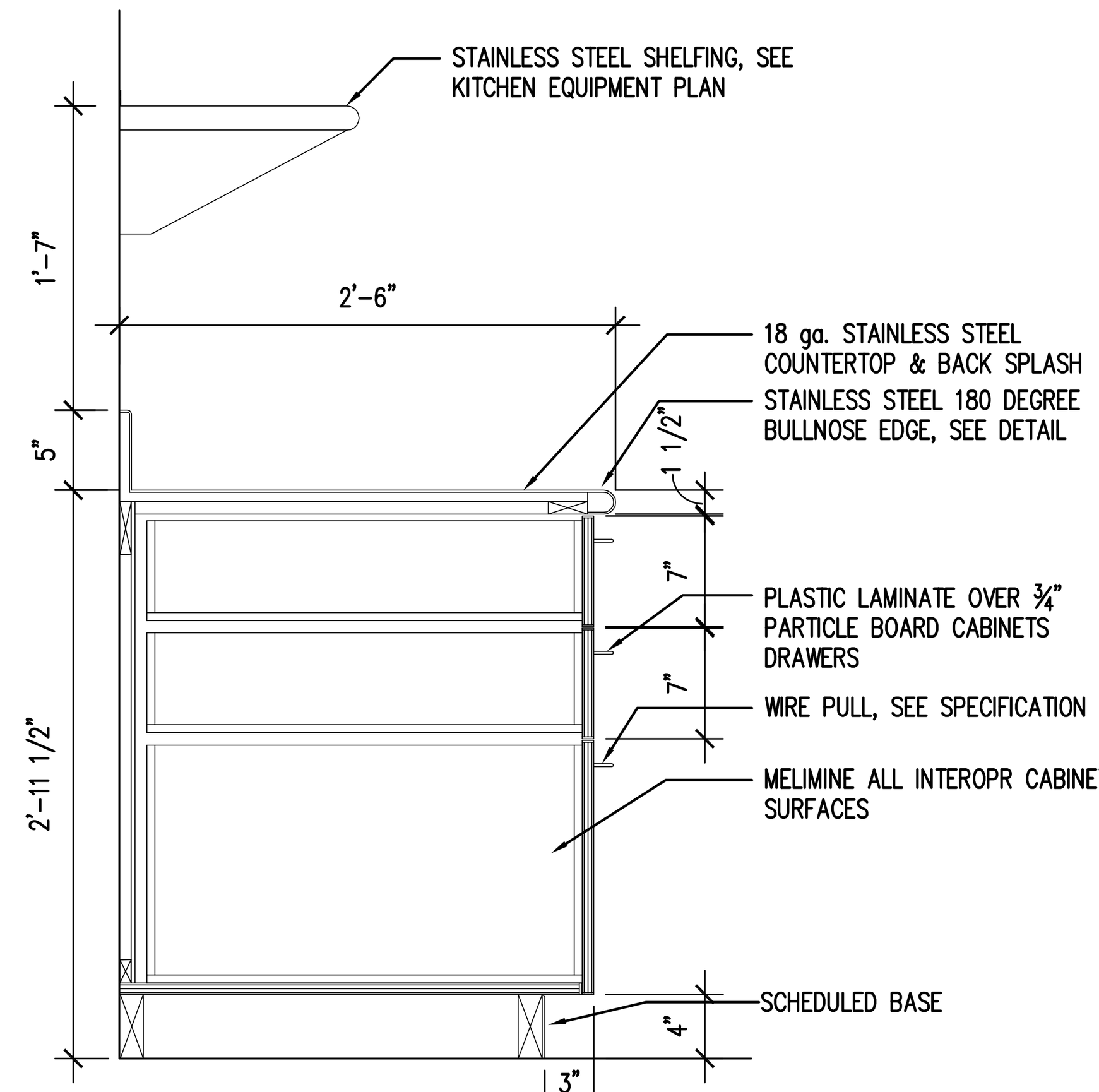

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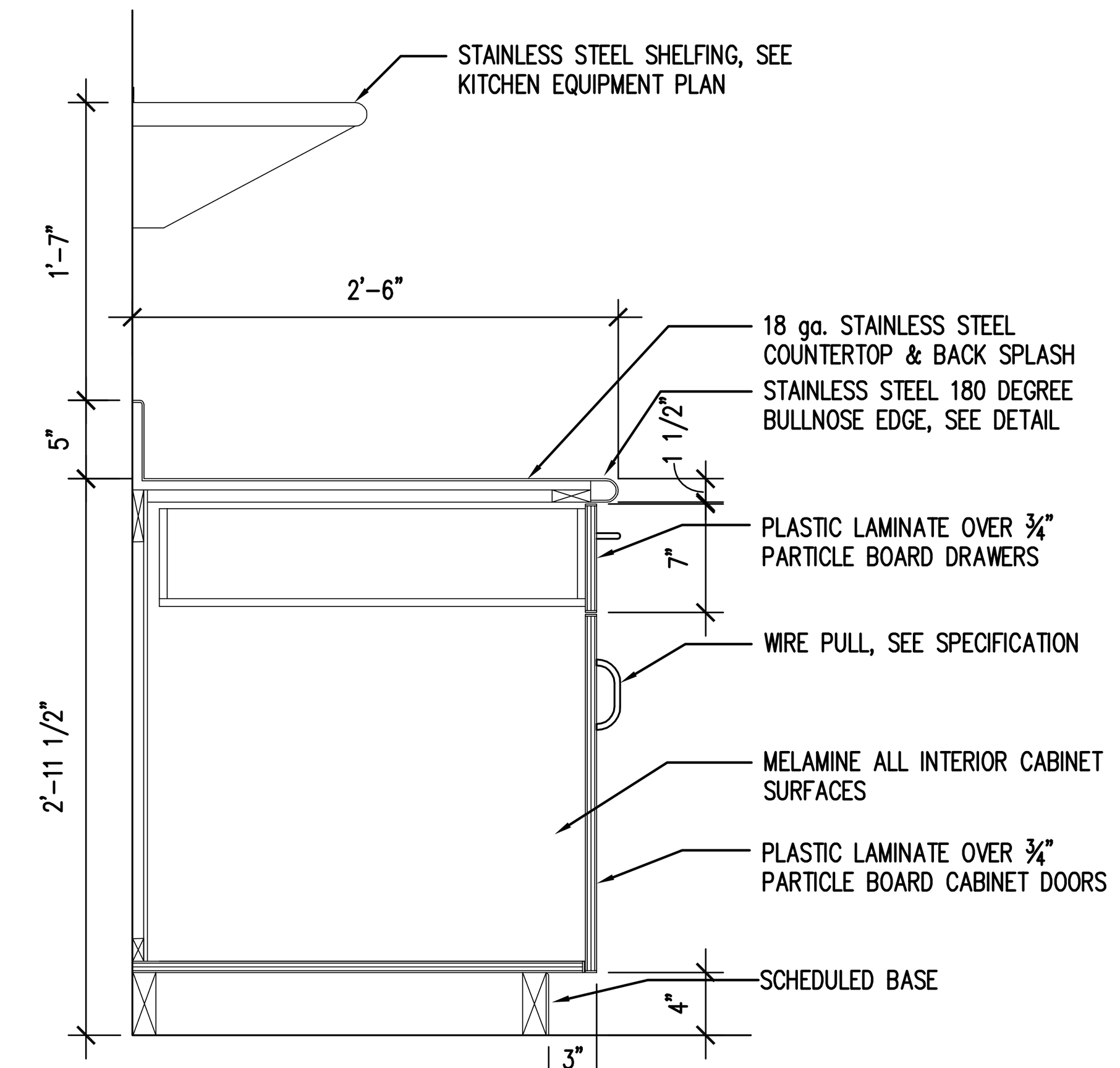

03 CASEWORK SECTION

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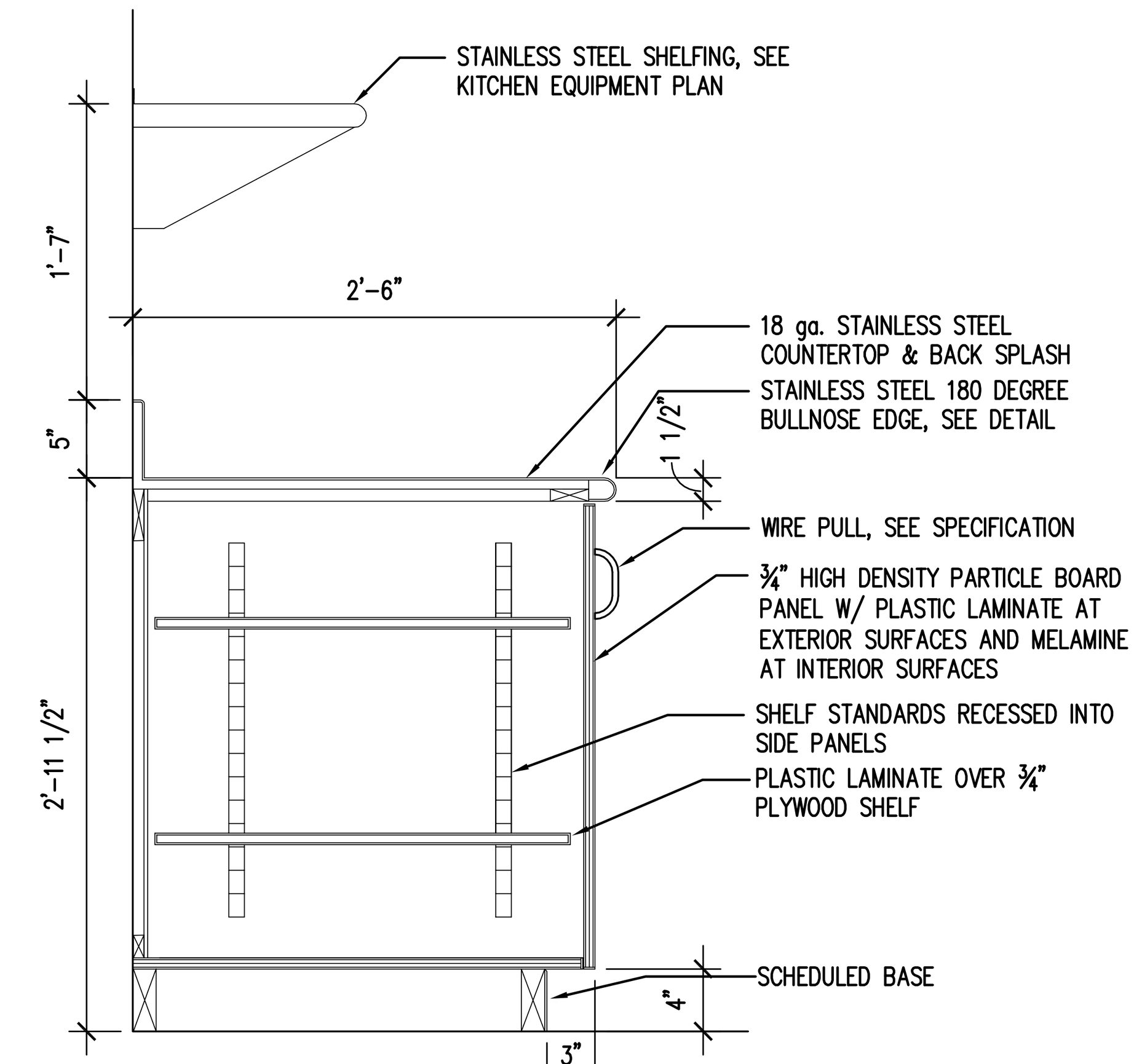

02 CASEWORK SECTION

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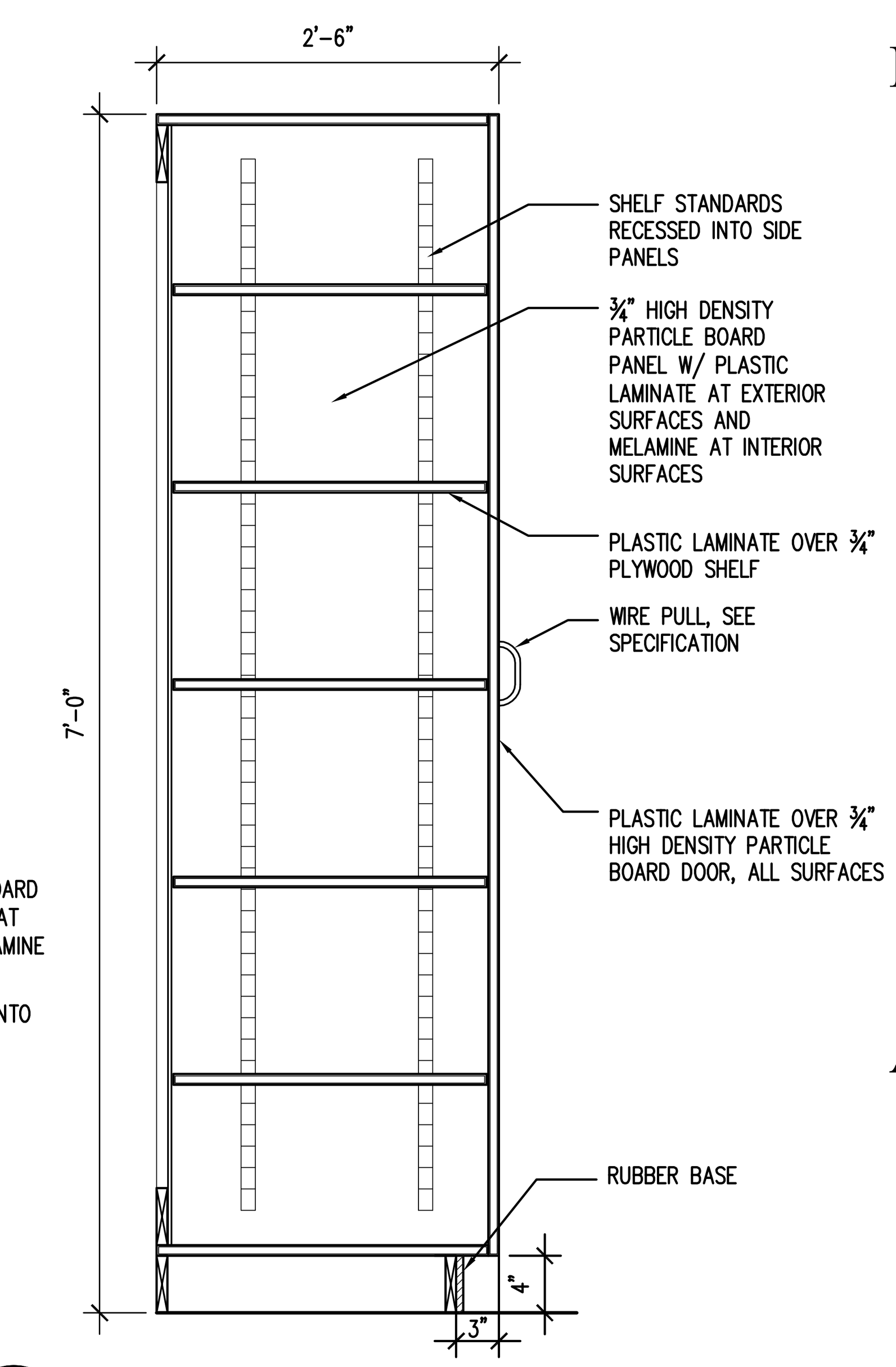

01 CASEWORK SECTION

7-04.dwg ACW800 SCALE 1" = 1'-0"

State of Utah
Department of Administrative Services
Division of Facilities
Construction & Management
4110 State Office Building
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821 East Kensington Ave.
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P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net

STATE OF UTAH SCOTT R. PRIOR 261110 LICENSED ARCHITECT

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MARK	DATE	DESCRIPTION

ISSUE TYPE: REVIEW DOCUMENTS

ISSUE DATE: 5th March, 2007

DFCM PROJECT NO: 06302250
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: BRIAN AND SCOTT
CHK'D BY: SCOTT

SHEET TITLE

CASEWORK SECTIONS

SHEET NUMBER

A-CW800

GENERAL STRUCTURAL NOTES:

I. GENERAL:

A. THE STRUCTURAL DRAWINGS SHOW THE COMPLETED PROJECT. DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS SHALL BE TYPICAL AND APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS NOTED OR SHOWN OTHERWISE.
B. REFER TO THE SPECIFICATIONS FOR INFORMATION NOT COVERED BY THESE NOTES OR STRUCTURAL DRAWINGS. WHERE THE STRUCTURAL NOTES, DRAWINGS OR SPECIFICATIONS DISAGREE, THE CONTRACTOR MAY REQUEST A CLARIFICATION. OTHERWISE THE MORE STRINGENT REQUIREMENTS SHALL CONTROL.
C. CONTRACTOR SHALL COMPARE ALL DIMENSIONS AND CONDITIONS ON CONTRACT DOCUMENTS AND AT THE SITE. ANY OMISSION OR CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. IN CASE OF ANY CONFLICT FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY ARCHITECT/ENGINEER.
D. SEE THE ARCHITECTURAL DRAWINGS FOR DOORS, WINDOWS, NON-BEARING INTERIOR AND EXTERIOR WALLS, RECESSES, DEPRESSIONS, ETC.
E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION IN AND AROUND THE JOB SITE AND ADJACENT PROPERTIES
F. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING FOR ALL PORTIONS OF THE BUILDING UNTIL THE ENTIRE STRUCTURE OF THE BUILDING IS COMPLETE.
G. OBSERVATION VISITS TO THE SITE BY STRUCTURAL ENGINEER'S FIELD REPRESENTATIVES SHALL NOT BE CONSTRUED AS INSPECTION OR APPROVAL OF CONSTRUCTION.
H. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN UTAH.

II. DESIGN CRITERIA:

A. BUILDING CODE: 2006 INTERNATIONAL BUILDING CODE (IBC) W/ AMENDMENTS
B. LOADINGS:

1. ROOF SNOW LOAD = 30 PSF
2. BASIC WIND LOAD - 90 MPH ZONE - EXPOSURE C
3. SEISMIC DESIGN CATEGORY: D2.

C. FOUNDATION:

1. ALL EXTERIOR FOOTINGS ARE TO BE FOUNDED AT NOT LESS THAN 30" BELOW LOWEST ADJACENT FINISH FLOOR OR FINISH GRADE ONTO UN-DISTURBED SOIL OR STRUCTURAL FILL HAVING A MAXIMUM ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF. INTERIOR FOOTINGS ARE TO BE FOUNDED AT NOT LESS THAN 8" BELOW LOWEST ADJACENT FINISH FLOOR OR FINISH GRADE.

III. CONCRETE:

A. ALL MATERIALS SHALL COMPLY WITH ACI 318 AND ACI 347 PUBLICATIONS AND APPLICABLE ASTM PUBLICATIONS.
B. CONCRETE MATERIAL PROPERTIES: 28-DAY COMPRESSIVE STRENGTHS ARE TO BE 3000 PSI TYPICAL UNLESS NOTED OTHERWISE. DESIGN BASED ON 2500 PSI. CONCRETE SLAB ON GRADE TO BE 4000 PSI.
C. CAST IN PLACE CONCRETE:

1. SPACING OF CONSTRUCTION JOINTS OR CONTROL JOINTS IN WALLS EXPOSED TO VIEW SHALL NOT EXCEED 40 FEET UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
2. PROVIDE A 3/4" CHAMFER ON ALL EXPOSED CORNERS OF CONCRETE UNLESS NOTED OTHERWISE.
3. PROVIDE CLASS B LAP SPLICES FOR ALL REINFORCING UNLESS NOTED OTHERWISE.
4. PROVIDE ISOLATION JOINTS AROUND ALL COLUMNS AT ALL EXPOSED SLAB ON GRADE AREAS.

IV. REINFORCING STEEL:

A. ALL BARS #4 AND LARGER TO BE ASTM A 615, GRADE 60. ALL #2 AND #3 BARS TO BE ASTM A 615, GRADE 40. DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH ACI-318, LATEST ADOPTION.
B. ALL REINFORCING STEEL SHALL BE BENT, DETAILED AND CHAIRED AS PER "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES".
C. WELDED WIRE FABRIC TO BE IN ACCORDANCE WITH ASTM A 185.
D. ALL BARS INDICATED ON THE PLANS TO BE WELDED SHALL CONFORM TO ASTM A706 (GRADE 60).
E. CONCRETE COVER REQUIREMENTS FOR DEFORMED BAR REINFORCING STEEL SHALL COMPLY WITH ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCING CONCRETE".

1. CAST-IN-PLACE CONCRETE:

a) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
b) FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:

#6 BARS AND LARGER: 2"
#5 BARS AND SMALLER: 1-1/2"

c) CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
SLABS, WALLS JOISTS: #11 BARS OR SMALLER: 3/4"
BEAMS, COLUMNS: PRIMARY REINFORCING, TIES, STIRRUPS, SPIRALS: 1-1/2"

F. DETAILING: SUBMIT PLACING DRAWINGS PER ACI DETAILING MANUAL, ACI SP-66. FABRICATE ONLY AFTER REVIEW AND APPROVAL. REINFORCING BARS SHALL NOT BE WELDED UNLESS SPECIFICALLY SHOWN ON DRAWINGS.

1. LAP SPLICE LENGTHS SHALL BE AS FOLLOWS:
30 BAR DIAMETER FOR #3 AND #4 BARS
40 BAR DIAMETER FOR #5 THROUGH #8 BARS

DO NOT SPLICE STIRRUPS AND TIES
DO NOT SPLICE VERTICAL BARS IN RETAINING WALLS UNLESS SPECIFICALLY SHOWN.

V. MASONRY:

A. GENERAL:

1. LIGHTWEIGHT HOLLOW CONCRETE MASONRY UNIT TO BE ASTM C 90, GRADE N-1 AND HAVE A MINIMUM UNIT STRENGTH OF 2800 PSI AND f'm OF 2000 PSI. MORTAR TO BE TYPE "S". GROUT FILL TO BE 2000 PSI AT 28 DAYS.
2. MASONRY DESIGN IS BASED ON VALUES WITH LEVEL 2 INSPECTION.
3. SEE CONCRETE FOR REQUIREMENTS FOR REINFORCING.

B. MASONRY REINFORCING:

1. MINIMUM REINFORCING OF CONCRETE MASONRY UNIT WALLS:
ALL MASONRY WALLS SHALL BE REINFORCING AS FOLLOWS, UNLESS SHOWN OTHERWISE ON THE DRAWINGS

2. CMU. WALLS ARE TO HAVE #5 VERTICALS AT ALL CORNERS, ENDS, JAMBS, INTERSECTIONS AND BOTH SIDES OF CONTROL JOINTS, TYPICAL UNLESS NOTED OTHERWISE.
3. ADDITIONAL VERTICAL REINFORCING SHOWN ON PLAN IS IN LIEU OF TYPICAL REINFORCING. PLACE ONE BAR PER CELL IN SOLID GROUT. EXTEND BARS A MINIMUM OF 30 BAR DIAMETERS BEYOND THE ROOF LEVEL ABOVE.
4. BUILDING WALLS ARE TO HAVE 2 #5 BARS CONTINUOUS IN A MINIMUM 8" DEEP BOND BEAM AT ALL ROOF LEVELS UNLESS NOTED OTHERWISE.
5. BUILDING WALLS ARE TO HAVE 1 #5 BAR CONTINUOUS IN A MINIMUM 8" DEEP BOND BEAM AT THE TOP OF ALL PARAPETS UNLESS NOTED OTHERWISE.
6. PROVIDE A MINIMUM OF 2 #5 BARS X (THE WIDTH OF THE OPENING PLUS 4'-0") IN A MINIMUM 8" DEEP BOND BEAM BELOW ALL WINDOW AND MECHANICAL OPENINGS UNLESS NOTED OTHERWISE.

C. MASONRY LINTELS:

1. ALL REINFORCING IS TO EXTEND A MINIMUM OF 2'-0" BEYOND THE JAMB AND TO BE GROUTED SOLID FOR THE ENTIRE DEPTH INDICATED.
2. ALL CONCRETE MASONRY UNITS USED IN THE LENGTH ARE TO BE "OPEN-END" TYPE, TO INSURE FULLY GROUTED HEAD JOINTS.
3. ALL LINTELS ARE TO BE PROPERLY SHORED FOR THEIR WEIGHT PLUS ANY CONSTRUCTION LOADS AND LATERALLY BRACED TO PREVENT ANY LATERAL MOVEMENT FOR A MINIMUM OF 7 DAYS AFTER GROUTING, UNLESS NOTED OTHERWISE.

D. MASONRY GROUTING PROCEDURES:

1. GROUTED MASONRY SHALL BE CONSTRUCTED IN SUCH A MANNER THAT ALL ELEMENTS OF THE MASONRY ACT TOGETHER AS A STRUCTURAL ELEMENT.
2. PRIOR TO GROUTING, THE GROUT SPACE SHALL BE CLEANED SO THAT ALL SPACES TO BE FILLED WITH GROUT DO NOT CONTAIN MORTAR PROJECTIONS GREATER THAN 1/2", MORTAR DROPPINGS OR OTHER FOREIGN MATERIAL.
3. GROUT MATERIALS AND WATER CONTENT SHALL BE CONTROLLED TO PROVIDE ADEQUATE FLUIDITY FOR PLACEMENT, WITHOUT SEGREGATION OF THE CONSTITUENTS AND SHALL BE MIXED THOROUGHLY. SEGREGATION OF THE GROUT MATERIALS AND DAMAGE TO THE MASONRY SHALL BE AVOIDED DURING THE GROUTING PROCESS.
4. THE GROUTING OF ANY SECTION OF WALL SHALL BE COMPLETED IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN ONE HOUR.
5. BETWEEN GROUT POURS, A HORIZONTAL CONSTRUCTION JOINT SHALL BE FORMED BY STOPPING ALL WYTHES AT THE SAME ELEVATION AND WITH THE GROUT STOPPING A MINIMUM OF 1 1/2 INCHES BELOW A MORTAR JOINT, EXCEPT AT THE TOP OF THE WALL. WHERE BOND BEAMS OCCUR, STOP GROUT POUR A MINIMUM OF 1/2 INCH BELOW THE TOP OF THE MASONRY.
6. ALL CELLS AND SPACES CONTAINING REINFORCING BARS SHALL BE FILLED WITH GROUT. GROUT SHALL BE PLACED SO THAT ALL SPACES TO BE GROUTED DO NOT CONTAIN VOIDS.
7. GROUT SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION DURING PLACING BEFORE LOSS OF PLASTICITY IN A MANNER TO FILL THE GROUT SPACE. GROUT POURS GREATER THAN 12 INCHES SHALL BE RECONSOLIDATED BY MECHANICAL VIBRATION TO MINIMIZE VOIDS DUE TO WATER LOSS. GROUT POURS 12 INCHES OR LESS IN HEIGHT SHALL BE MECHANICALLY VIBRATED, OR PUDDLED.
8. WHERE GROUT POURS EXCEED 5 FEET, CLEANOUTS SHALL BE PROVIDED IN THE BOTTOM COURSE AT EVERY VERTICAL BAR LOCATION BUT SHALL NOT BE SPACED MORE THAN 32 INCHES ON CENTER FOR SOLID GROUTED MASONRY. GROUT SHALL BE PLACED IN A CONTINUOUS POUR NOT TO EXCEED 16 FEET IN HEIGHT, AND IN GROUT LIFTS NOT TO EXCEED 5 FEET.
9. REINFORCING SHALL BE CONTINUOUS THE FULL HEIGHT OF THE GROUT POUR PLUS ANY REQUIRED LAP ABOVE. REINFORCEMENT SHALL BE SECURED AGAINST DISPLACE MENT PRIOR TO GROUTING BY WIRE POSITIONERS OR OTHER SUITABLE DEVICES AT INTERVALS NOT TO EXCEED 200 BAR DIAMETERS NOR 10 FEET.
10. TOLERANCE FOR THE PLACEMENT OF STEEL IN WALLS AND

FLEXURAL ELEMENTS SHALL BE PLUS OR MINUS 1/2 INCH FOR "D" EQUAL TO 8 INCHES OR LESS, PLUS OR MINUS ONE INCH FOR "D" EQUAL TO 24 INCHES OR LESS BUT GREATER THAN 8 INCHES, AND PLUS OR MINUS 1 1/4 INCH FOR "D" GREATER THAN 24 INCHES.

VI. STRUCTURAL AND MISCELLANEOUS STEEL:

A. MATERIAL PROPERTIES:

1. ALL SHAPES, PLATES, ANGLES, AND CHANNELS TO BE ASTM A-36 UNLESS NOTED OTHERWISE.
2. ALL WF SHAPES WEIGHING 84 POUNDS PER LINEAR FOOT OR LESS TO BE ASTM A 572, GRADE 50. ALL WF SHAPES WEIGHING MORE THAN 84 POUNDS PER LINEAR FOOT TO BE ASTM A 572, GRADE 36.
3. SQUARE OR RECTANGULAR TUBES TO BE ASTM A 500, GRADE B, F_y = 46 KSI.
4. ALL STEEL TO BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS, LATEST ADOPTION.

B. WELDING:

1. FOR STRUCTURAL STEEL TO BE IN ACCORDANCE WITH A.W.S. REQUIREMENTS FOR E70XX ELECTRODES. E60XX MAY BE USED FOR WELDING STEEL FLOOR AND ROOF DECKS.
2. MINIMUM WELDS: ALL INTERSECTING STEEL SHAPES THAT ARE NOT BOLTED SHALL BE CONNECTED BY A FILLET WELD ALL AROUND, UNLESS NOTED OTHERWISE. FILLET WELD SIZES THAT ARE NOT SHOWN SHALL BE 1/16" LESS THAN THE THINNEST OF THE CONNECTED PARTS FOR THICKNESS 1/4" AND LARGER. FILLET WELDS ON PLATES LESS THAN 1/4" SHALL BE OF THE SAME SIZE AS THE THINNEST OF THE CONNECTED PART.

C. BOLTS:

1. ALL BOLTS TO BE 3/4" DIAMETER ASTM A 325-N UNLESS NOTED OTHERWISE. A325N BOLTS SHALL BE USED IN CONNECTIONS FOR SIMPLE SPAN FRAMING AND BEAMS TO BEARING PLATE CONNECTIONS. TIGHTEN BOLTS TO SNUG TIGHT CONDITION
2. BOLTS, NUTS AND WASHERS SHALL NOT BE REUSED.
3. ANCHOR BOLTS SHALL BE ASTM A 307 OR A 36.
4. EXPANSION BOLTS ARE 3/4" DIAMETER RAMSET "DYNABOLTS" INSTALLED IN ACCORDANCE WITH ICBO #1372. MINIMUM EMBEDMENT TO BE 3 1/2" IN CONCRETE AND 5" IN SOLID GROUTED MASONRY. ALL CONCRETE OR MASONRY SHALL BE AT ITS SPECIFIED DESIGN STRENGTH AT THE TIME OF INSTALLATION.

VII. SPECIAL INSPECTION: SPECIAL INSPECTION IS REQUIRED IN ACCORDANCE WITH IBC SECTION 1701.

A. ALL CONCRETE MASONRY UNITS AND REINFORCING.
B. FIELD WELDING.

VIII. WOOD:

A. DIMENSIONAL LUMBER: ALL TO BE GRADE STAMPED PER W.C.L.B. RULES.

1. ALL JOISTS, BEAMS, PLATES, HEADERS AND OTHER LUMBER TO BE D.FIR/LARCH #2 UNLESS OTHERWISE NOTED.
2. 2 X 4 SUB-PURLINS TO BE D.FIR/LARCH NO.1.
3. 2X 6 SUB-PURLINS TO BE D.FIR/LARCH NO.1.
4. PURLINS TO BE D.FIR DENSE #1.
5. 4X AND 6X POSTS TO BE D.FIR/LARCH NO.1.
6. WALL STUDS TO BE D.FIR/LARCH #2 GRADE OR BETTER.

B. GLU-LAMS:

1. TO BE GRADE STAMPED PER A.I.T.C., D.FIR/LARCH COMBINATION 24F-V8 FOR CONTINUOUS SPANS AND D.FIR/LARCH COMBINATION 24F-V4 FOR SIMPLE SPANS. GLUED WITH WATERPROOF GLUE.

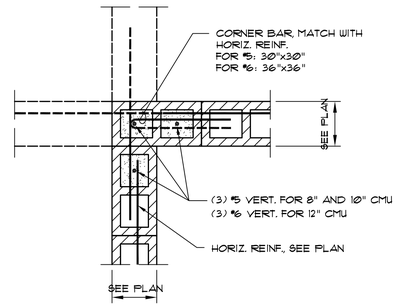
C. PLYWOOD:

1. ROOF SHEATHING TO BE STD 7/16" OSB OR C-D WITH EXTERIOR GLUE, IDENTIFICATION INDEX 24/16. SCREW WITH #8 AT 6" O.C. AT ALL EDGE SUPPORTS AND WITH #8 SCREWS AT 12" O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE.

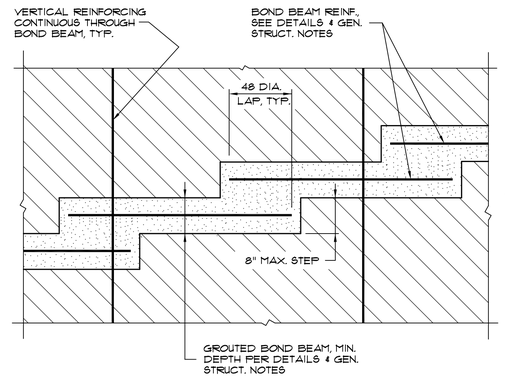
D. SPECIAL TREATMENTS (AMERICAN WOOD PRESERVERS INSTITUTE STANDARDS):

1. ALL WOOD IN CONTACT WITH CONCRETE, MASONRY OR SOIL: PRESSURE TREAT WITH WOLMAN CCA PRESERVATIVE OR EQUAL AS APPROVED BY THE ARCHITECT.
2. FIRE RETARDANT: PRESSURE TREAT WITH DRICON OR EQUAL AS APPROVED THE ARCHITECT.

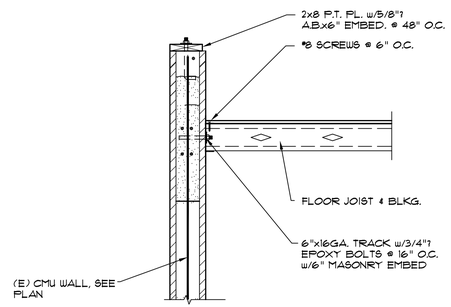
E. WOOD NAILING SCHEDULE:
1. JOIST TO SILL OR GIRDER, TOENAIL 3-8d
2. BRIDGING TO JOIST, TOENAIL EACH END 2-8d
3. 1"X6" SUBFLOOR OR LESS TO EACH JOIST FACE NAIL 2-8d
4. WIDER THAN 1"X6" SUBFLOOR TO EACH JOIST, FACE NAIL 3-8d
5. SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL 2-16d
6. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL 2-16d
7. TOP PLATE TO STUD, END NAIL 2-16d
8. STUD TO SOLE PLATE TOENAIL 4-8d OR FACE NAIL 2-16d
9. DOUBLE STUDS, FACE NAIL 16d @ 24" o.c.
10. DOUBLED TOP PLATES, FACE NAIL 16d @ 16" O.C.
11. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL 2-16d
12. CONTINUOUS HEADER, 2 PIECES 16d @ 16"O.C. ALONG 2 EDGES
13. CEILING JOISTS TO PLATE, TOENAIL 3-8d
14. CONTINUOUS HEADER TO STUD, TOENAIL 4-8d
15. CEILING JOIST, LAPS OVER PARTITIONS FACE NAIL 3-16d
16. CEILING JOIST TO PARALLEL RAFTERS FACE NAIL 3-16d
17. RAFTER TO PLATE, TOENAIL 4-8d
18. BRACE TO EACH STUD AND PLATE, FACE NAIL 2-8d
19. 1"X8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL 2-8d
20. WIDER THAN 1"X8" SHEATHING TO EACH BEARING, FACE NAIL 3-8d
21. BUILT UP CORNER STUDS 16d @ 24" O.C.
22. BUILT-UP GIRDERS AND BEAMS 20d @ 32"O.C. AT TOP AND BOTTOM AND STAGGERED 2-20d AT EACH END & SPLICE
23. PLANKS 2-16d AT EACH BEARING



1 TYP. REINF. @ CORNER OR INTERSECTION OF WALLS



2 TYPICAL STEPPED BOND BEAM



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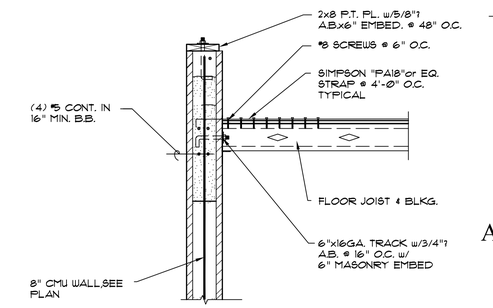

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State of Utah
Department of Administrative Services

Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects

P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net

ARCHITECTURE | PLANNING | DESIGN

BUILDING NAME:
UTAH COLLEGE OF APPLIED TECHNOLOGY
UNITAH BASIN ATC
CULINARY ARTS
KITCHEN INPROVEMENTS
1100 EAST LAGOON ST.
ROOSEVELT, UTAH

LICENSED PROFESSIONAL ENGINEER
No. 260129
HUA SHEN
STATE OF UTAH

PROJECT TITLE:
UTAH COLLEGE OF APPLIED TECHNOLOGY
1100 EAST LAGOON ST.
ROOSEVELT, UTAH
UNITAH BASIN ATC
CULINARY ARTS
KITCHEN INPROVEMENTS

MARK	DATE	DESCRIPTION
REV. 1	9/29/05	COMMENTS & REPLY

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SHEET TITLE

SHEET NUMBER

S-GSN100

SHEET 12 OF 25

TYPICAL ROOF DECK:

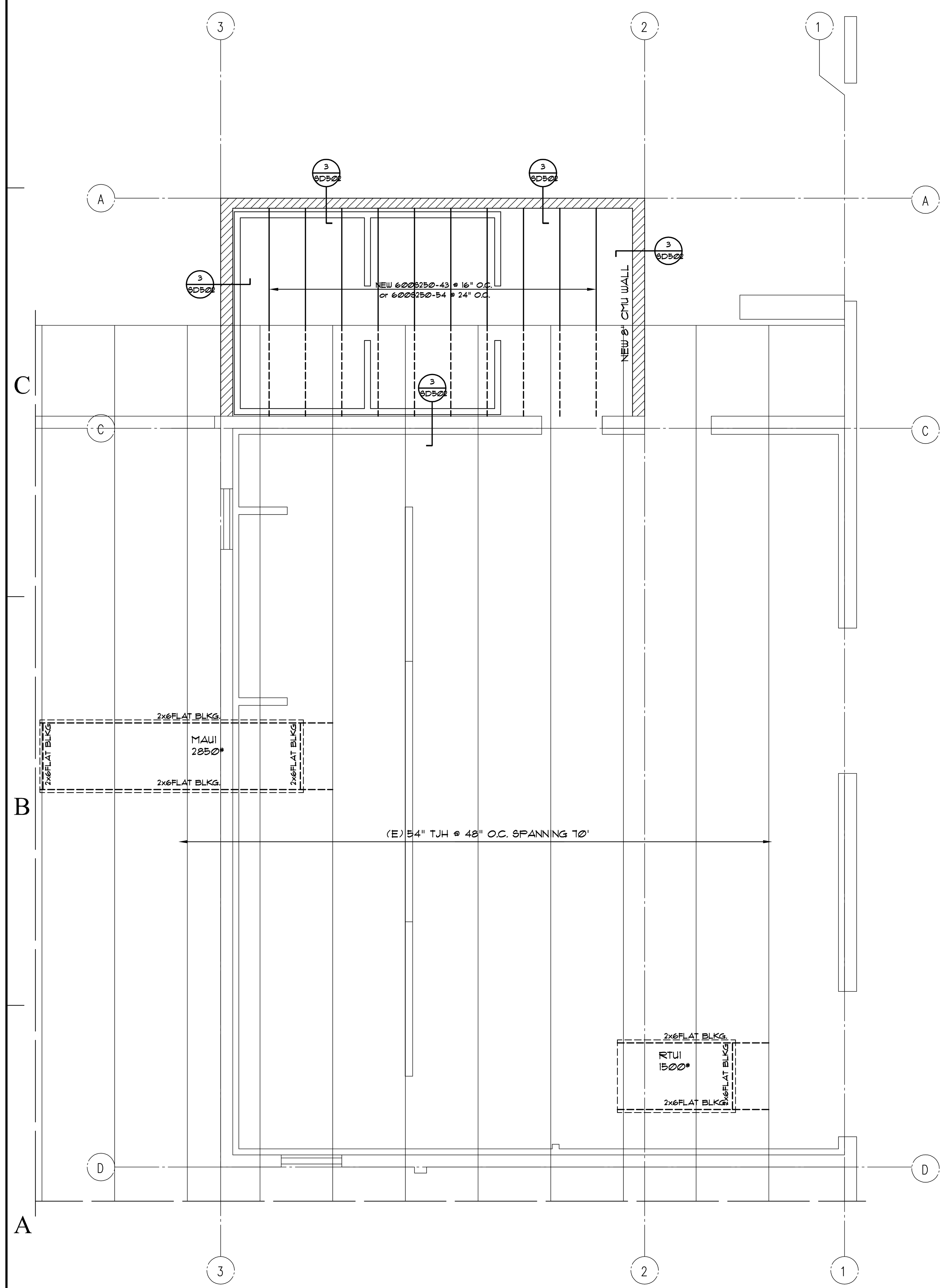
7/16" PLWD/OSB SHEATHING, SPAN RATING 24/16
SEE GENERAL STRUCTURAL NOTES-TYPICAL NAILING:
#8 SCREWS @ 6" O.C. AT ALL PANEL EDGES, SUPPORTED EDGES, AND ALL TOP OF SHEAR WALLS
#8 SCREWS @ 12" O.C. AT ALL PANEL FIELD
PLACE SHEATHING LONG-WISE ACROSS FRAMING, STAGGER END JOINTS. UNBLOCKED DIAPHRAGM.

MASONRY WALL SCHEDULE

SPECIAL INSPECTION ON CMU TYP.

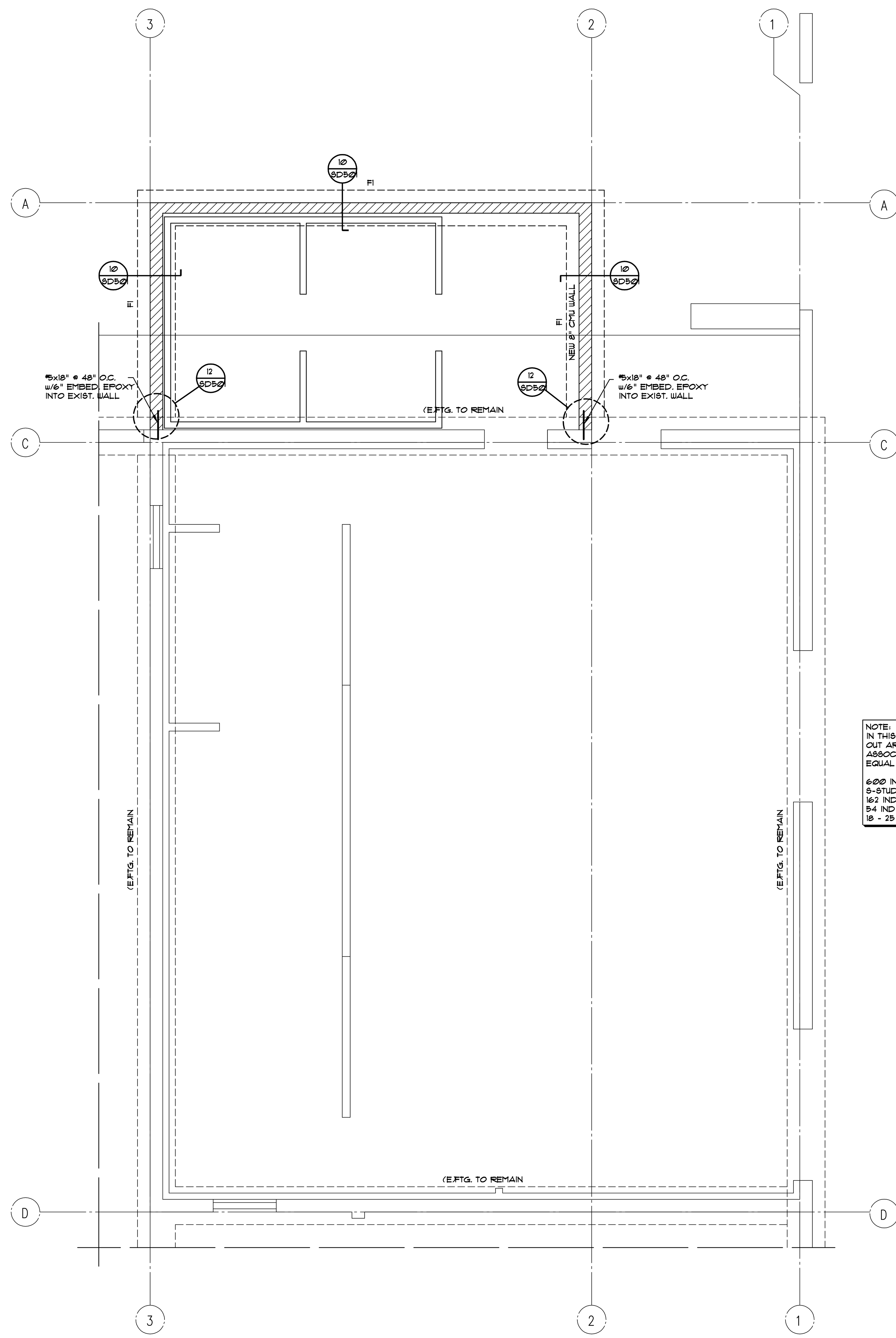
MARK	WALL THICKNESS	VERT. REINF.	HORIZ. REINF.	BOND BM. @ ROOF LVL	REMARKS
MW1	8"	#5 @ 24" O.C.	#5 @ 48" O.C.	8"x16" MIN. w/ (4)#5 HORIZ.	GROUT REBAR CELLS TYP FOR 8" CMU WALLS, U.N.O.

1. TERMINATE HORIZ. REBARS AT WALL JOINTS TYP.
2. CONTINUE HORIZ. REBARS FOR BOND BEAM AT WALL JOINTS TYP.
3. SOLID GROUT ALL CELLS FOR WALLS UNDER FINISHED GRADE TYP.
4. SOLID GROUT PARAPET WALLS WHICH ARE HIGHER THAN 6'-0"(COUNT FROM DECK BRG.) AND SOLID GROUT WALLS 4'-0" DOWN FROM THE DECK BRG.



ROOF FRAMING PLAN

SCALE 1/4" = 1'-0"



FOUNDATION PLAN

SCALE 1/4" = 1'-0"

8x16 BOND BEAM w/(4)#5 HORIZ. AT ROOF LEVEL TYP.

FOOTING SCHEDULE

S.B.P.=2000 PSF SEE SOIL REPORT

MARK	SIZE	REINFORCING	REMARKS
F1	2'-0" x CONT. x 12"	(2) #4 CONT.	

ROOF FRAMING PLAN NOTES:

1. SEE GENERAL STRUCTURAL NOTES SHEET AND STANDARD WOOD FRAMING DETAILS FOR
   A. GENERAL STRUCTURAL NOTES
   B. TYPICAL HEADER DETAIL
   C. TYPICAL TOP PLATE SPLICE DETAIL
   D. TYPICAL SHEAR WALL DETAIL
2. K.P. = KING POST, SEE PLAN FOR SIZE AND LOCATION TYPICAL.
3. ALL ROOF JOISTS ARE TO BE TJI JOISTS SEE PLAN FOR SIZE AND SPACE TYP.
4. ESTABLISH AND VERIFY ALL OPENINGS & INSERTS FOR MECHANICAL, ELECTRICAL & PLUMBING WITH THE APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.
5. HANGING CEILING, DUCTWORK OR OTHER ITEMS FROM THE PLYWOOD DECK IS NOT ALLOWED.
6. PROVIDE JOIST BRIDGING AS PER MANUFACTURER'S SPECIFICATION.
7. PROVIDE SOLID BLOCKING AT JOIST BEARING TYPICAL U.N.O.
8. PROVIDE 1/8" GAP ON ROOF DECK PLYWOOD OR FOLLOW MANUFACTURER'S SPECIFICATION.
9. ALL HEADERS OVER OPENINGS TO BE MIN. (3) 2x10 AT BRG. WALLS w/(2) 2X6 STUDS ENDS.
10. SEE STANDARD DETAIL FOR MULTI-STUDS TO WOOD BEAM/HEADER CONNECTION TYPICAL.
11. SHEAR WALLS SHOWN ARE BELOW FRAMING LEVEL. COORDINATE WITH FRAMING PLANS.

NOTE:
IN THIS PROJECT, ALL METAL BEAMS, JOISTS, HEADERS AND STUDS CALLED OUT ARE BASED ON THE PRODUCTS FROM "SSMA-STEEL STUD MANUFACTURERS ASSOCIATION" ICBO ER-4943P. G.C. CAN PICK DIFFERENT PRODUCTS WHICH ARE EQUAL OR BETTERTHE FOLLOWS ARE THE IDENTIFICATION OF "SSMA" PRODUCTS:
FOR EXAMPLE "600 S 162 - 54"
600 INDICATES MEMBER DEPTH WHICH IS FROM 1 5/8"(162) TO 12"(1200) ETC.
S-STUD OR JOIST SECTIONS; T-TRACK SECTIONS, U-CHANNEL SECTIONS, F-FURRING
162 INDICATES FLANGE WIDTH WHICH IS FROM 1 1/4"(125) TO 2 1/2"(250)
54 INDICATES MEMBER THICKNESS:FOR INSTANCE
18 - 25 GA, 27 - 22 GA, 30 AND 33 - 20 GA, 43 - 18 GA, 54 - 16 GA, 68 - 14 GA

CONCRETE POUR NOTES:

1. VERIFY FTG STEP LOCATIONS AND HEIGHT WITH ARCHITECT IN FIELD PRIOR TO FORMING FOOTINGS. MAKE FTG REBAR CONTINUOUS THROUGH FTGS WITH BENT BARS AT CORNERS. LAP BARS 40 BAR DIAMETERS AT SPLICES AND TIE.
2. THE DIMENSIONS ARE TO FACE OF CONCRETE UNLESS OTHERWISE NOTED. NOTE THAT DIMENSIONS ON ARCITECTURAL PLANS ARE TO FACE OF STUD AND FACE OF STUD IS 1" OUT FROM FACE OF CONCRETE (TYPICAL).
3. ACCURATELY LOCATE ANCHOR BOLTS AND HOLDDOWNS FROM THE ARCHITECTURAL PLAN AND VERIFY WITH THE ARCHITECT PRIOR TO PLACING CONCRETE.
4. DO NOT POUR ANY CONCRETE UNTIL THE FORMS ARE ADEQUATELY BOLSTERED AND SUPPORTED AND ALL REBAR IS IN PLACE AND SECURED.
5. DO NOT PERMIT FIN. GRADE TO COME CLOSER THAN 6" TO TOP OF CONCRETE.
6. BEARING SURFACES FOR PRECAST CONCRETE, STEEL OR TIMBER MEMBERS SHALL BE PREPARED TO A TRUE AND LEVEL LINE.

FOUNDATION PLAN NOTES:

1. SEE SHEET S1.1, S1.2, AND S1.3 FOR:
   A. GENERAL STRUCTURAL NOTES
   B. TYPICAL EXCAVATION ADJACENT TO FOOTING
   C. TYPICAL SLAB JOINT DETAILS
   D. TYPICAL STEPPED FOOTING
   E. TYPICAL MASONRY CONTROL JOINT
2. MP1 - DENOTES CMU PIER MARK - SEE SCHED THIS SHEET.
3. F1 - DENOTES FOOTING MARK - SEE SCHED. THIS SHEET.
4. K.C.J. - DENOTES KEYED CONSTR. JOINT - SEE DETAIL 1/S1.2.
5. C.J. - DENOTES CONTROL JOINT - SEE DETAIL 1/S1.2.
6. W.J. - DENOTES MASONRY WALL FULL HEIGHT CONTROL JOINT. SEE DETAIL 1/S1.3
7. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. SEE ARCHITECTURAL FOR ALL DIMENSIONS, SLAB SLOPES & DEPRESSIONS NOT NOTED.
8. ALL SLABS ON GRADE ARE TO BE JOINTED AT NO MORE THAN 15'-0" EACH WAY USING JOINTS AS PER DETAIL 5/S1.2. IN ADDITION, NO SECTION OF CONCRETE SHALL HAVE AN ASPECT RATIO OF GREATER THAN 1 1/2:1. PROVIDE (2) #4 x 4'-0" MID-HEIGHT SLAB BARS ADJACENT TO ALL DISCONTINUOUS JOINT LOCATIONS. ALL COLUMN ISOLATION JOINT CORNERS ARE TO BE INTERSECTED BY A SLAB JOINT OR REINFORCED WITH SLAB BARS PER ABOVE. SUBMIT COMPLETE JOINT LAYOUT PLAN TO THE ARCHITECT FOR PRIOR REVIEW.

State of Utah
Department of Administrative Services
DFCM
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects

P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net
ARCHITECTURE PLANNING DESIGN

BUILDING NAME:
UTAH COLLEGE OF APPLIED TECHNOLOGY
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1100 EAST LAGOON ST.
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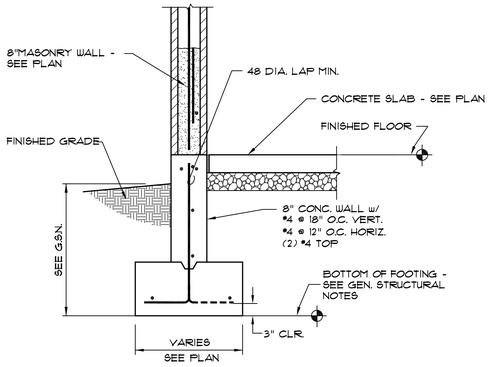

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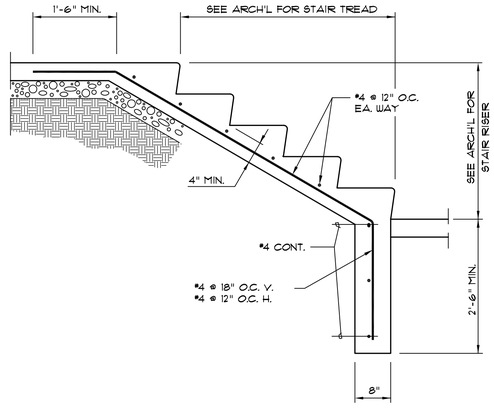
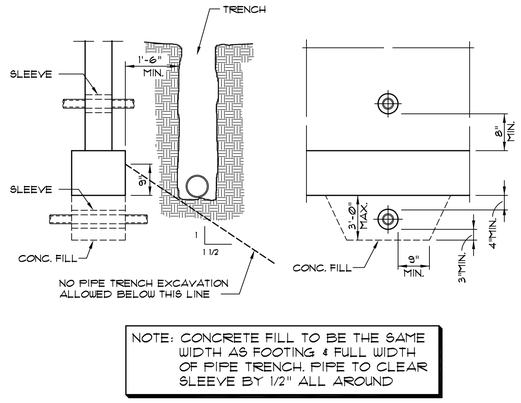
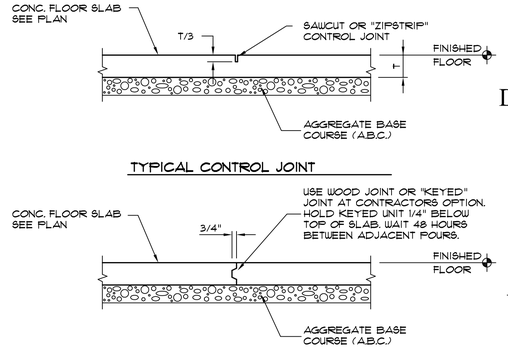


7 CONCRETE STAIR ON GRADE



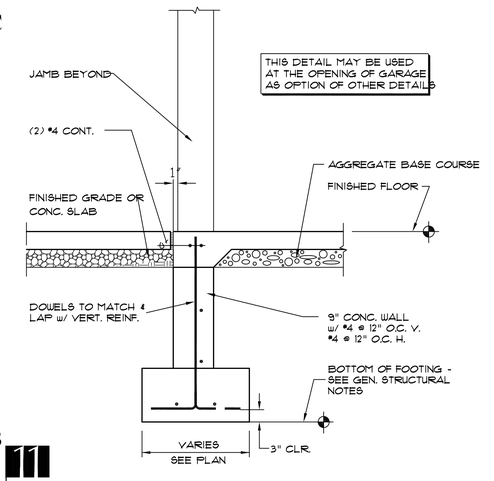
NOTE: CONCRETE FILL TO BE THE SAME WIDTH AS FOOTING & FULL WIDTH OF PIPE TRENCH. PIPE TO CLEAR SLEEVE BY 1/2" ALL AROUND

4 PIPES AT CONCRETE FOOTING



TYP. KEYED CONSTRUCTION JOINT

1 TYPICAL CONCRETE FLOOR JOINTS



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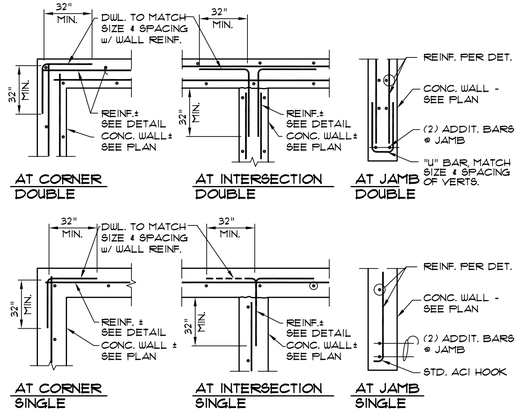
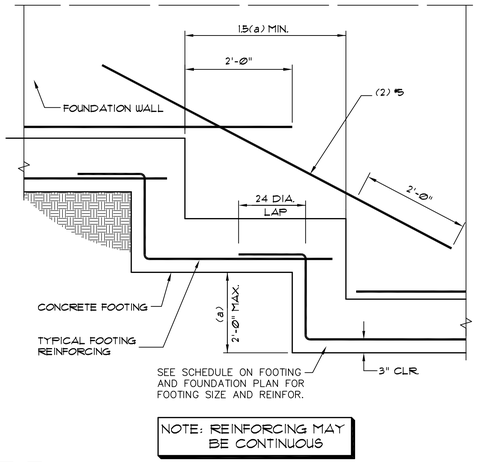
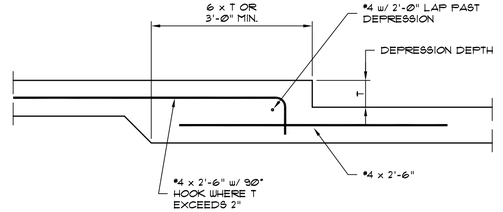


8 TYPICAL CONC. WALL REINF.

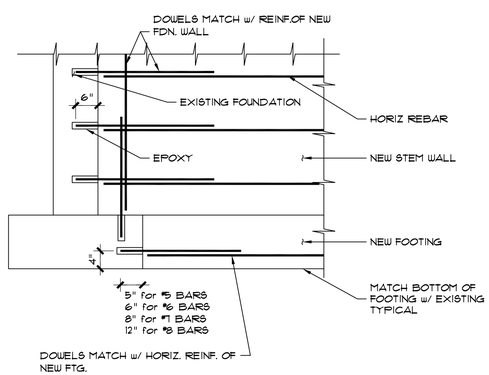


NOTE: REINFORCING MAY BE CONTINUOUS

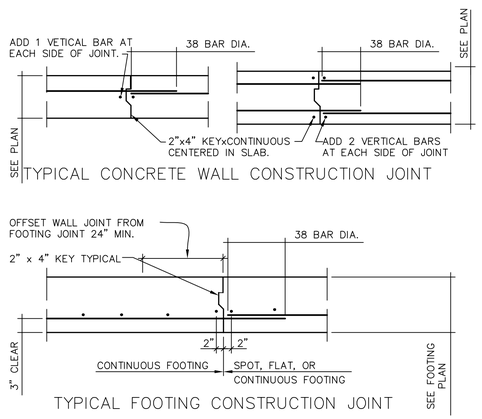
5 TYPICAL STEPPED FOOTING



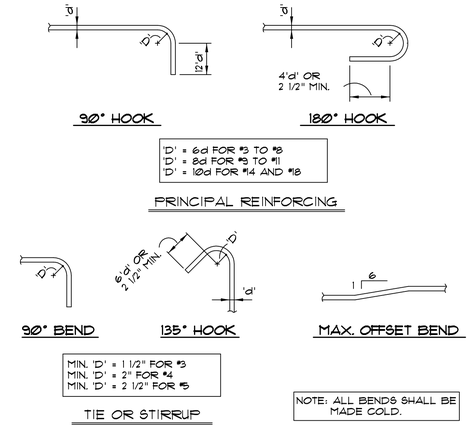
2 TYP. DEPRESSED SLAB ON GRADE



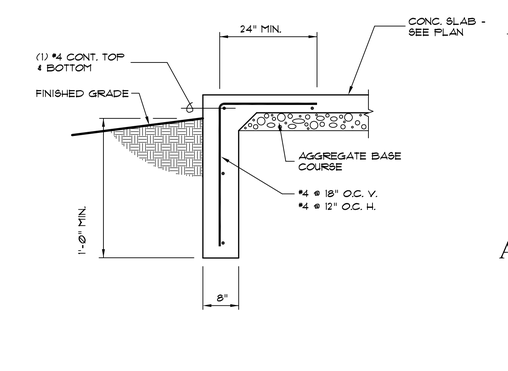
12 TYPICAL NEW FTG. TO EXIST. FTG. CONN.



9 TYP. FTG. & WALL CONSTRUCTION JOINT



6 TYPICAL REINFORCING BAR BENDS



3 TYPICAL TURNDOWN FOOTING

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects

P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net

ARCHITECTURE | PLANNING | DESIGN

BUILDING NAME:
UTAH COLLEGE OF APPLIED TECHNOLOGY
UNITAH BASIN ATC
CULINARY ARTS
KITCHEN INPROVEMENTS
1100 EAST LAGOON ST.
ROOSEVELT, UTAH

LICENSED PROFESSIONAL ENGINEER No. 260129 HUA SHEN STATE OF UTAH

PROJECT TITLE:
UTAH COLLEGE OF APPLIED TECHNOLOGY
1100 EAST LAGOON ST.
ROOSEVELT, UTAH
UNITAH BASIN ATC
CULINARY ARTS
KITCHEN INPROVEMENTS

MARK	DATE	DESCRIPTION
REV. 1	9/29/05	COMMENTS & REPLY

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 19th Feb., 2007

DFCM PROJECT NO:	06302250
CAD PROJECT NO:	SE06339
CAD DWG FILE:	
DRAWN BY:	BS
CHK'D BY:	HS
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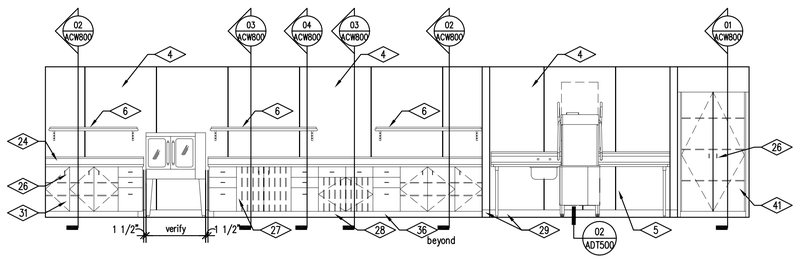
SHEET TITLE

SHEET NUMBER

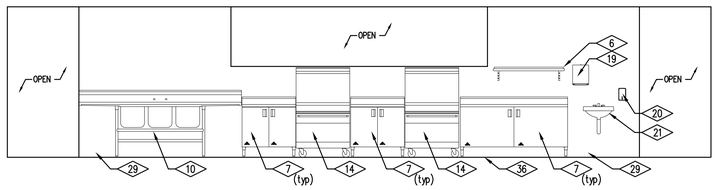
S-SD501

SHEET 14 OF 25



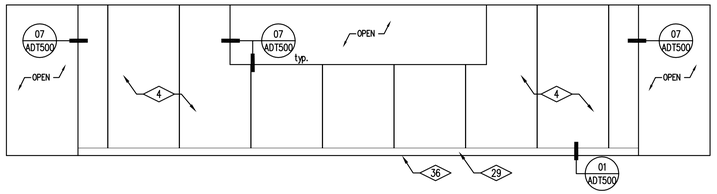
T-02.dwg 05 AIE601 SCALE 1/4" = 1'-0"

INTERIOR ELEVATION (WEST WALL FIN. & KIT. EQ.)



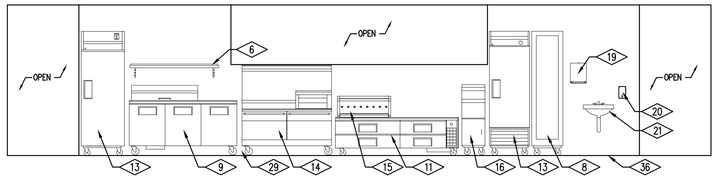
T-02.dwg 05 AIE601 SCALE 1/4" = 1'-0"

INTERIOR ELEVATION (EAST KITCHEN EQUIPMENT)



T-02.dwg 05 AIE601 SCALE 1/4" = 1'-0"

INTERIOR ELEVATION (EASTWALL FINISH)



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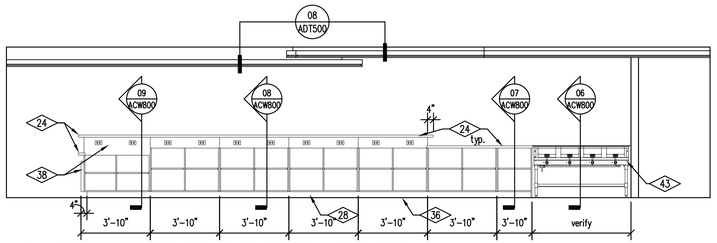
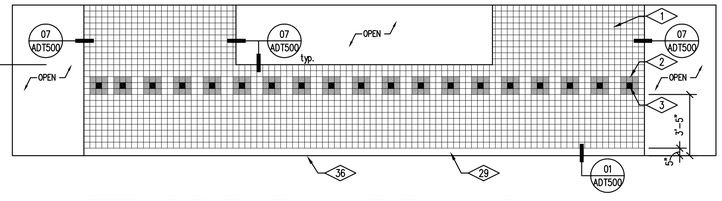
INTERIOR ELEVATION (WEST KITCHEN EQUIPMENT)



T-02.dwg 04 AIE601 SCALE 1/4" = 1'-0"

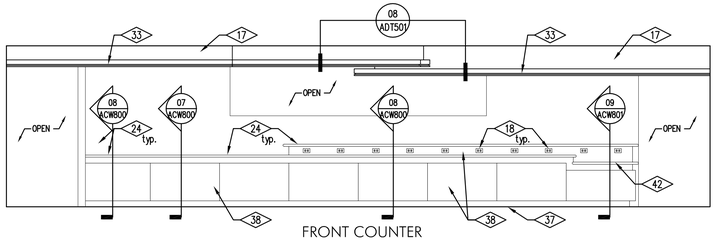
INTERIOR ELEVATION (EAST)

T.O. WALL EL.= 5'-1" A.F.F.



T-02.dwg 04 AIE601 SCALE 1/4" = 1'-0"

INTERIOR ELEVATION (WEST WALL FINISH)



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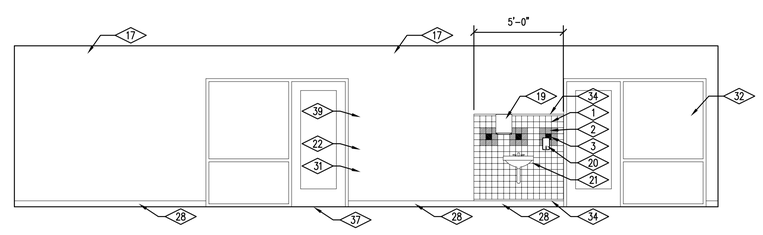
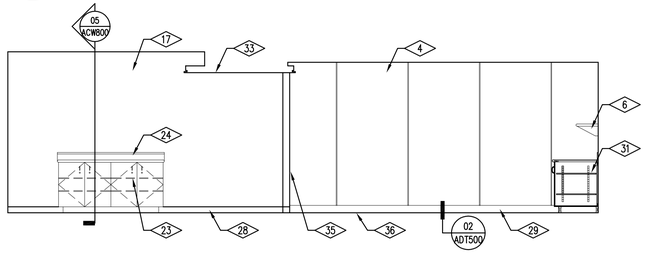
INTERIOR ELEVATION (WEST)



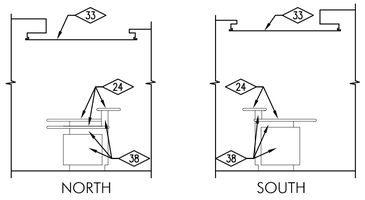
T-02.dwg 03 AIE601 SCALE 1/4" = 1'-0"

INTERIOR ELEVATION (EAST)



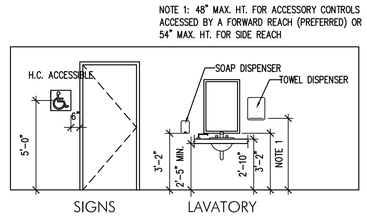
T-02.dwg 03 AIE600 SCALE 1/4" = 1'-0"

INTERIOR ELEVATION (NORTH)



T-02.dwg 02 AIE600 SCALE

INTERIOR ELEVATION



T-02.dwg 01 AIE601 SCALE 1/4" = 1'-0"

STANDARD MOUNTING HEIGHTS

REFERENCE NOTES

1. 4"x4" CERAMIC WALL TILE COLOR #1, SEE WALL TYPE AND SPECIFICATION
2. 4"x4" CERAMIC WALL TILE COLOR #2, SEE WALL TYPE AND SPECIFICATION
3. 4"x4" CERAMIC WALL TILE COLOR #3, SEE WALL TYPE AND SPECIFICATION
4. F.R.P. FULL WALL HEIGHT, SEE SPECIFICATIONS
5. COMMERCIAL DISHWASHER, SEE DRAWING A-KE103
6. STAINLESS STEEL WALL SHELVES, SEE DRAWING A-KE103
7. STAINLESS STEEL ENCLOSED BASE WORK TABLE, SEE DRAWING A-KE103
8. PROOFING CABINET, SEE DRAWING A-KE103
9. SANDWICH PREP TABLE, SEE DRAWING A-KE103
10. STAINLESS STEEL THREE COMPARTMENT SINK, SEE DRAWING A-KE103
11. REFRIGERATED CHEF BASE, SEE DRAWING A-KE103
12. REFRIGERATOR, SEE DRAWING A-KE103
13. REFRIGERATOR OR FREEZER, SEE DRAWING A-KE103
14. RANGE, SEE DRAWING A-KE103
15. CHAR-BROILER, SEE DRAWING A-KE103
16. GAS FRYER, SEE DRAWING A-KE103
17. PAINTED GYPSUM BOARD WALL
18. ELECTRIC OUTLETS MOUNTED IN CASEWORK, SEE ELECTRICAL DRAWINGS
19. PAPER TOWEL DISPENSER, SEE SPECIFICATION.
20. SOAP DISPENSER, SEE SPECIFICATION
21. LAVATORY, SEE PLUMBING DRAWINGS
22. PRE-FORMED PLASTIC LAMINATE COUNTERTOP W/ FULL 180° DEGREE BULL NOSE & PRE-FORMED BACKSPLASH, SEE SECTIONS
23. LOCKABLE PLASTIC LAMINATE CABINETS WITH DRAWERS AND ADJUSTABLE SHELF WHERE SHOWN. SEE SECTIONS AND SPECIFICATIONS
24. STAINLESS STEEL COUNTER TOP, SEE SECTIONS
25. PLASTIC LAMINATE DRAWERS, SEE SECTIONS AND SPECIFICATIONS
26. 4" WIRE DOOR AND DRAWER PULL, SEE SPECIFICATION
27. PLASTIC LAMINATE CABINETS WITH VERTICAL COOKING TRAY DIVIDERS. SEE SECTIONS AND SPECIFICATIONS
28. 4" RUBBER BASE, SEE SPECIFICATION
29. 5" COVED EPOXY BASE, SEE SPECIFICATION
30. OPEN PLASTIC LAMINATE COUNTER CABINETS, SEE SECTIONS AND SPECIFICATIONS
31. PLASTIC LAMINATE CABINET WITH ADJUSTIBLE SHELFING, SEE SECTIONS AND SPECIFICATION
32. EXISTING ANODIZED STORE FRONT DOOR AND WINDOW SYSTEM TO REMAIN UNDISTURBED.
33. WOOD CEILING SYSTEM, SEE REFLECTED CEILING PLAN AND DETAILS.
34. 2" TILE TRIM AT TOP AND BOTTOM OF TILE AS PER SPECIFICATION.
35. BUMP OUT OF GYPSUM BOARD WALL TO BE TRANSITION POINT OF PAINTED GYPSUM BOARD WALL, F.R.P. AND LOCATION OF FLOORING TRANSITION BETWEEN CONCRETE FLOOR STAIN AND EPOXY FLOORING. TYPICAL ON OPPOSITE WALL LOCATION.
36. EPOXY FLOORING SYSTEM, SEE SPECIFICATION.
37. STAINED CONCRETE FLOORING SYSTEM, SEE SPECIFICATION.
38. PLASTIC LAMINATE AT ALL EXPOSED LOCATIONS CASEWORK, SEE SPECIFICATIONS AND SECTIONS.
39. LOCKABLE UPPER PLASTIC LAMINATE WALL MOUNTED CABINET WITH ADJUSTABLE SHELVING, SEE SECTIONS.
40. STAINLESS STEEL BASE CABINET WITH STAINLESS STEEL COUNTER TOP, SEE DRAWING A-KE103
41. LOCKABLE PLASTIC LAMINATE CABINET WITH ADJUSTABLE SHELVING, SEE SECTIONS AND SPECIFICATIONS.
42. ADA COUNTER LOCATION
43. SEAL WELL HOT FOOD TABLE, SEE KITCHEN EQUIPMENT FLOOR PLAN SHEET A-KE103

GENERAL NOTES

1. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES
2. CONTRACTOR TO FIELD VERIFY LOCATION AND PLACEMENT OF ALL FIXTURES AND ACCESSORIES AND COORDINATE WITH A.D.A. REQUIREMENTS
3. CONTRACTOR SHALL PROVIDE ADA PIPE PROTECTION AT ALL EXPOSED PIPING
4. GENERAL CONTRACTOR TO FIELD VERIFY LOCATION AND PLACEMENT OF ALL WALL MOUNTED SHELVING AND CASE WORK PRIOR TO FRAMING ALL WALLS. GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE FRAMING AND BACKING FOR PROPER INSTALLATION OF ALL SHELVING AND CASEWORK.

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects

P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net

STATE OF UTAH 261110 LICENSED ARCHITECT
ARCHITECTURE PLANNING DESIGN

CONSULTANT: XYZ ENGINEERING

BUILDING NAME:

UTAH COLLEGE OF APPLIED TECHNOLOGY

UNITAH BASIN ATC
CULINARY ARTS
KITCHEN INPROVEMENTS

1100 EAST LAGOON ST.
ROOSEVELT, UTAH

PROJECT TITLE:

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UNITAH BASIN ATC
CULINARY ARTS
KITCHEN INPROVEMENTS

MARK	DATE	DESCRIPTION
ISSUE TYPE:		REVIEW DOCUMENTS
ISSUE DATE:		5th March, 2007
DFCM PROJECT NO:		06302250
CAD PROJECT NO:		
CAD DWG FILE:		
DRAWN BY:		BRIAN AND SCOTT
CHK'D BY:		SCOTT

SHEET TITLE

INTERIOR ELEVATIONS

SHEET NUMBER

A-IE600

SHEET 10 OF 25

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

MECHANICAL

- POSITIVE PRESSURE DUCT – RISE
- POSITIVE PRESSURE DUCT – DROP
- NEGATIVE PRESSURE DUCT – RISE
- NEGATIVE PRESSURE DUCT – DROP
- ROUND DUCT – RISE
- ROUND DUCT – DROP
- UNDER FLOOR DUCT
- TURNING VANES
- FRESH AIR LOUVER
- RELIEF AIR OR EXHAUST AIR LOUVER
- 12X12 / 200 — CEILING SUPPLY DIFFUSER
- 22X22 / 200 — CEILING RETURN REGISTER
- 12X12 / 200 — CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
- 24X10 / 200 — SIDEWALL SUPPLY REGISTER
- 24X10 / 200 — SIDEWALL EXHAUST OR RETURN REGISTER
- 12X12 / 200 — CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
- 12X12 / 200 — CEILING AIR GRILLE WITH FLEXIBLE DUCT

  TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.
- CEILING RETURN AIR GRILE W/ SOUND BOOT
- 3-1" SLOTS @ 48" / 400 — LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
- FLEXIBLE DUCT CONNECTION
- FLEXIBLE DUCT
- FAN
- 12/8 FO — FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
- 12/8 — RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
- 12ø — ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
- UP — INCLINED RISE
- DN — INCLINED DROP

  WITH RESPECT TO AIR FLOW 15° NOMINAL INCLINE WITH RADIUS TURNS=DEPTH OF DUCT.
- W, R — R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
- 12/12, 8/8 — RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
- 12/12, 12ø — RECTANGULAR TO ROUND DUCT TRANSFORMATION
- R — BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
- 45° TAP, DN — TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
- 12ø, 12/12 — HIGH EFFICIENCY FITTING
- MANUAL VOLUME DAMPER
- FD — FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
- FSD — COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
- SD — SMOKE DAMPER W/ ACCESS PANEL
- BDD — BACK DRAFT DAMPER
- ATC OR — ATC DAMPER
- AD — ACCESS PANEL IN DUCT OR PLENUM
- HEATING OR COOLING COIL IN DUCT
- SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2 TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
- 4-WAY BLOW PATTERN
- 3-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 1-WAY BLOW PATTERN
- SD — DUCT SMOKE DETECTOR
- UNIT HEATER

PLUMBING

- FLOOR SINK
- FLOOR DRAIN
- FCO / COTG — FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
- ROOF DRAIN
- DOWNSPOUT NOZZLE
- ARROW INDICATES DIRECTION OF FLOW IN PIPE
- CHECK VALVE
- PRESSURE REDUCING, EXTERNAL PRESSURE VALVE
- PRESSURE REDUCING, SELF CONTAINED VALVE
- ATC VALVE – 2 WAY
- ATC VALVE – 3 WAY
- SOLENOID VALVE
- GATE VALVE
- GATE VALVE – NON RISING STEM
- GLOBE VALVE
- TEMPERATURE AND PRESSURE TEST PORT
- PS — PRESSURE SWITCH
- GAS COCK
- 0.0 GPM — CALIBRATED BALANCING VALVE WITH GPM INDICATED
- RPBP — REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
- BRANCH – BOTTOM CONNECTION
- BRANCH – TOP CONNECTION
- BRANCH – SIDE CONNECTION
- RISE OR DROP
- RISER – DOWN (ELBOW)
- RISER – DOWN (ELBOW)
- VTR — VENT THRU ROOF
- WATER HAMMER ARRESTOR
- INLINE PUMP
- INLINE PUMP
- CLEAN-OUT
- RELIEF VALVE
- ANGLE VALVE
- FLOW METER
- UNION
- BALANCING COCK
- SHUT-OFF COCK FOR USE WITH PRESSURE GAUGE
- FLEXIBLE EXPANSION JOINT
- THERMOMETER – TEMP RANGE AS INDICATED
- PRESSURE GAUGE WITH SHUT-OFF COCK
- PRESSURE GAUGE WITH PIGTAIL
- LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
- BALL VALVE (PIPE SIZES 2" AND SMALLER) BUTTERFLY VALVE (PIPE SIZES 2-1/2" AND LARGER)
- MOTOR OPERATED BUTTERFLY VALVE
- VALVE IN RISE
- AIR VENT-MANUAL
- AIR VENT-AUTO
- FLOW SWITCH
- REDUCER
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER

PLUMBING CONT.

- HOSE BIBB
- PIPE CAP
- S — SWITCH
- S — SENSOR
- T — THERMOSTAT
- TN — NIGHT THERMOSTAT
- FILL PORT
- DRAIN PAN AND P-TRAP
- (NAME) — FIXTURE FROM LEVEL ABOVE
- GPM / LB/HR. — FLOW METER ORIFICE
- FLANGE
- 90° ELBOW
- 45° ELBOW
- F&T — STEAM TRAP, F&T=FLOAT & THERMOSTATIC B=BUCKET, T=THERMOSTATIC
- DN — LEADER INDICATES DOWNWARD SLOPE
- DEMOLITION
- ALIGNMENT GUIDE
- AHCHOR
- LUBRICATED PLUG COCK

SYMBOLS

- P-1 — PLUMBING FIXTURES
- POINT OF CONNECTION
- A / M-101 — SECTION TAG – TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
- A / M101 — DETAIL TAG – TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
- EF / 1 — EQUIPMENT IDENTIFICATION
- 1 — KEYED NOTE IDENTIFICATION

FIRE

- HOSE VALVE
- NRS GATE VALVE WITH SUPERVISION
- FLOW SWITCH
- FIRE RISER
- SPRINKLER HEAD
- F — FIRE SPRINKLER WATER

LINETYPES

- AV — ACID VENT
- AW — ACID WASTE
- BBD — BOILER BLOW DOWN
- BF — BOILER FEED WATER
- B — BRINE
- CO2 — CARBON DIOXIDE
- CA — COMPRESSED AIR
- CF — CHEMICAL FEED
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- CS — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- DOMESTIC COLD WATER (DCW)
- DOMESTIC HOT WATER (DHW)
- DOMESTIC HOT WATER RETURN (DHWR)
- DI — DEIONIZED WATER SUPPLY
- DIR — DEIONIZED WATER RETURN
- E(NAME) — EXISTING PIPING
- (NAME) — EXISTING PIPING TO BE REMOVED
- GHR — GLYCOL HEAT RECOVERY PIPING
- G(NAME) — GLYCOL PIPING SOLUTION
- FOR — FUEL OIL RETURN
- FOS — FUEL OIL SUPPLY
- FOV — FUEL OIL VENT
- G — NATURAL GAS
- HG — HOT GAS
- HFR — HELICOPTER FUEL RETURN
- HFS — HELICOPTER FUEL SUPPLY
- HP(NAME) — HIGH PRESSURE DOMESTIC WATER
- HPC — HIGH PRESSURE CONDENSATE
- HPS — HIGH PRESSURE STEAM
- HWR — HEATING HOT WATER RETURN
- HWS — HEATING HOT WATER SUPPLY
- IA — INSTRUMENT AIR
- IA 120 — INSTRUMENT AIR AT PRESSURE INDICATED
- LA — LAB AIR
- LV — LAB VACUUM
- LPC — LOW PRESSURE CONDENSATE
- LPG — LIQUIFIED PETROLEUM GAS
- LPS — LOW PRESSURE STEAM
- MA — MEDICAL AIR
- MA 120 — MEDICAL AIR AT PRESSURE INDICATED
- MPC — MEDIUM PRESSURE CONDENSATE
- MPS — MEDIUM PRESSURE STEAM
- MUW — MAKE UP WATER
- MV — MEDICAL VACUUM
- N — NITROGEN
- N2O — NITROUS OXIDE
- OX — MEDICAL OXYGEN
- OX 120 — MEDICAL OXYGEN AT PRESSURE INDICATED
- PUMPED CONDENSATE

LINETYPES CONT.

- RO — REVERSE OSMOSIS WATER SUPPLY
- ROR — REVERSE OSMOSIS WATER RETURN
- RD — ROOF DRAIN
- RDO — ROOF DRAIN OVERFLOW
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- SEWER (BELOW GRADE)
- SEWER (ABOVE GRADE)
- SW — SOFT DOMESTIC WATER (SW)
- V — VACUUM
- VENT (SEWER)

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects
P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net
ARCHITECTURE | PLANNING | DESIGN

CONSULTANT:
VAN BOERUM & FRANK ASSOCIATES INC.
WWW.VBFA.COM
CONSULTING ENGINEERS
330 South 300 East — 801.530.3148 T
Salt Lake City, UT 84111 — 801.530.3150 F
LICENSED PROFESSIONAL ENGINEER
No. 4775391
SPENCER W. HOWELL
STATE OF UTAH

BUILDING NAME:
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UINTAH BASIN ATC CULINARY ARTS KITCHEN IMPROVEMENTS
1100 EAST LAGOON ST. ROOSEVELT, UTAH

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MARK	DATE	DESCRIPTION

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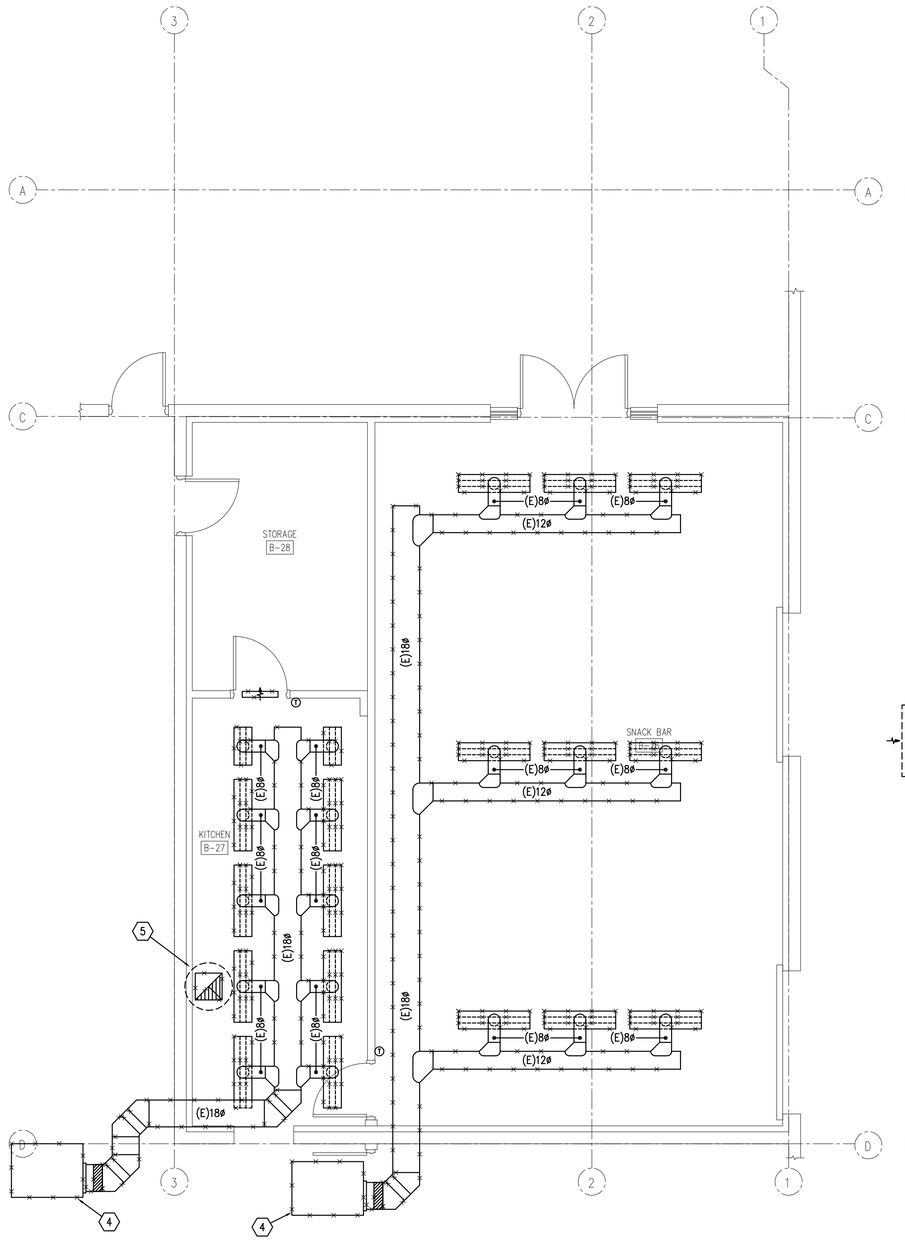
DRAWN BY: Ejuarez
CHK'D BY: Sshepherd/Jmaeser/Showell

SHEET TITLE
LEGEND OF MECHANICAL SYMBOLS & ABBREVIATIONS

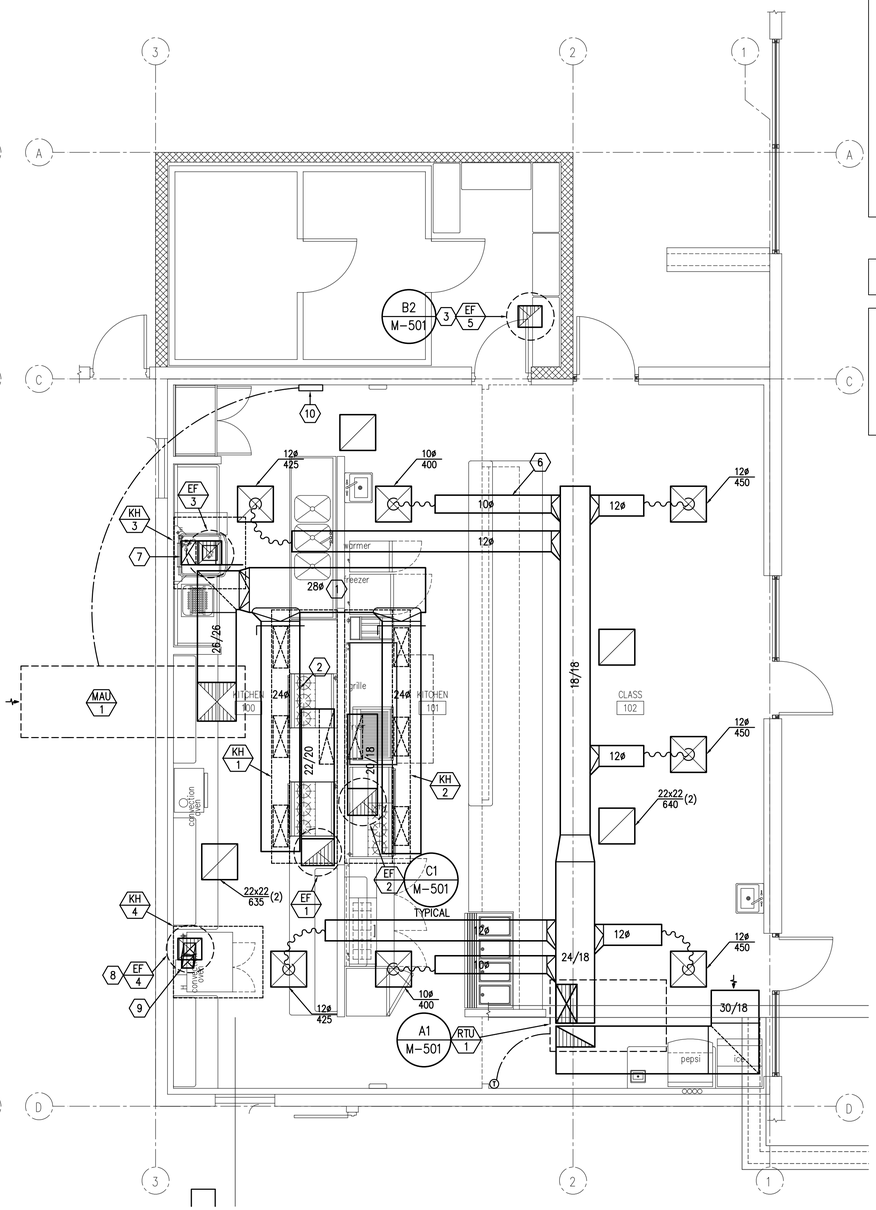
SHEET NUMBER
M-001



A1 M-101 MECHANICAL DEMOLITION FLOOR PLAN

SCALE 1/4" = 1'-0"

NORTH



A3 M-101 MECHANICAL FLOOR PLAN

SCALE 1/4" = 1'-0"

NORTH

KEYED NOTES

1. COORDINATE DUCT ROUTING TO PASS THROUGH PANELS IN EXISTING STRUCTURE.
2. PROVIDE SHEET METAL SUPPLY BOOTS BETWEEN SUPPLY DUCT AND DUCT COLLARS ON KITCHEN HOOD SUPPLY PLENUM, SIZE TO MATCH HOOD DUCT COLLARS, TYP.
3. PROVIDE 3/16" SHEET METAL EXHAUST DUCT FROM TOP OF CURB THROUGH ROOF DECK TO BOTTOM OF ROOF STRUCTURE. PROVIDE PROTECTIVE SCREEN AT INLET OF EXHAUST DUCT.
4. REMOVE EXISTING HEAT PUMP UNIT, REMOVE EXISTING PIPING BACK TO NEAREST MAIN AND CAP.
5. REMOVE EXITING ROOF MOUNTED EXHAUST FAN, CAP OR RE USE EXISTING ROOF OPENING AS PART OF NEW WORK.
6. COORDINATE SUPPLY BRANCH DUCT ROUTING WITH PANELS OF EXISTING STRUCTURE, TYP.
7. 16/10 DISHWASHER EXHAUST DUCT.
8. LOCATE NEW FAN AT EXISTING ROOF OPENING.
9. 8/8 GREASE EXHAUST TO ROOF MOUNTED GREASE EXHAUST FAN.
10. REMOTE CONTROL PANEL FOR MAKE-UP AIR UNIT.

GENERAL NOTES

1. CEILING SUPPLY DIFFUSERS SHALL BE CD-1 UNLESS OTHERWISE NOTED, REFER TO GRILLES, REGISTERS AND DIFFUSERS SCHEDULE, SHEET M-501. REFER TO DETAIL A2/M-501.
2. CEILING RETURN GRILLES SHALL BE RG-1 UNLESS OTHERWISE NOTED, REFER TO GRILLES, REGISTERS AND DIFFUSERS SCHEDULE, SHEET M-501.

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SHEET TITLE
MECHANICAL FLOOR PLAN

SHEET NUMBER
M-101

SHEET 16 OF 25

PACKAGED ROOFTOP UNIT SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	SUPPLY FAN AIRFLOW RATE (CFM)	SUPPLY FAN EXTERNAL STATIC PRESSURE (IN. WATER)	HEATING SECTION INPUT HEATING LOAD (MBH)	HEATING SECTION OUTPUT HEATING LOAD (MBH)	HEATING SECTION ENTERING/ LEAVING AIR TEMP. (°F)	HEATING SECTION MEDIUM	COOLING SECTION TOTAL COOLING LOAD (MBH)	COOLING SECTION SENSIBLE COOLING LOAD (MBH)	COOLING SECTION ENTERING AIR TEMP. DB/WB (°F)	COOLING SECTION LEAVING AIR TEMP. DB/WB (°F)	FILTER EFFICIENCY	ELECTRICAL TOTAL MCA	ELECTRICAL SUPPLY FAN MOTOR (HP)	ELECTRICAL RELIEF FAN MOTOR (HP)	ELECTRICAL SINGLE POINT VOLT/PH/HZ	NOTES
RTU-1	CARRIER 48PGFC07	SEE PLAN	2550	1.0	151.0	97.8	50.0 / 92.1	NAT. GAS	62.1	58.5	78.4 / 59.0	53.2 / 49.3	MERV 8	37.2	3	-	208/3/60	

1. ALL AIRFLOWS / CAPACITIES AT DESIGN ELEVATION OF 4,650'.
2. PROVIDE UNIT COMPLETE WITH FACTORY VIBRATION ISOLATION ROOF CURB, FACTORY SUPPLIED AND INSTALLEED RETURN AIR SMOKE DETECTOR, INTEGRATED GEAR DRIVEN ECONOMIZER W/ OUTDOOR DRY BULB SENSOR, FACTORY MOUNTED AND PREWIRED DISCONNECT, AND LINE SIDE POWERED 115v GFI CONVENIENCE OUTLET.

FAN SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR MAXIMUM AIRFLOW RATE (CFM)	AIR STATIC PRESSURE (IN. WATER)	FAN SPEED (RPM)	ELECTRICAL MOTOR SIZE (HP)	ELECTRICAL MOTOR BHP (HP)	ELECTRICAL MOTOR SPEED (RPM)	ELECTRICAL VOLT/PH/HZ	PHYSICAL LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
EF-1	COOK 225V9B	SEE PLAN	GREASE UPBLAST	4210	1.00	950	2.0	1.24	1725	208/3/60	45.25x45.25x52	1, 2
EF-2	COOK 195V8B	SEE PLAN	GREASE UPBLAST	3445	0.86	1040	1.5	0.87	1725	208/3/60	39.5x39.5x52	1, 2
EF-3	COOK 100R3B	SEE PLAN	VAPOR UPBLAST	600	0.75	1865	1/4	0.19	1725	110/1/60	25.5x25.5x36.5	1, 3
EF-4	COOK 100V3B	SEE PLAN	GREASE UPBLAST	675	0.75	1920	1/4	0.21	1725	110/1/60	25.5x25.5x32.5	1, 2
EF-5	COOK 100C10DH	SEE PLAN	ROOF DOWNBLAST	150	0.30	1001	1/25	0.09	1725	110/1/60	18.75x18.75x30.5	1, 4

1. AIRFLOW AT DESIGN ELEVATION OF 4,650'.
2. KITCHEN GREASE EXHAUST FAN, PROVIDE COMPLETE WITH FACTORY PREFABRICATED VENTED ROOF CURB, KEYWAY GREASE TROUGH, GREASE TERMINATOR, AND FACTORY MOUNTED AND PREWIRED DISCONNECT; SHALL MEET REQUIREMENTS OF UL 762.
3. KITCHEN DISHWASHER EXHAUST FAN, PROVIDE COMPLETE WITH FACTORY PREFABRICATED ROOF CURB, GRAVITY BACKDRAFT DAMPER, AND FACTORY MOUNTED AND PREWIRED DISCONNECT.
4. ROOF MOUNTED, DOWNBLAST EXHAUST FAN, PROVIDE COMPLETE WITH FACTORY PREFABRICATED ROOF CURB, GRAVITY BACKDRAFT DAMPER, FACTORY MOUNTED AND PREWIRED DISCONNECT, BIRDSCREEN, DAMPER TRAY, AND FACTORY MOUNTED AND PREWIRED FAN SPEED CONTROL.

HOOD SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR TYPE	AIR MAXIMUM AIRFLOW RATE (CFM)	AIR STATIC PRESSURE (IN. WATER)	PHYSICAL TOTAL LENGTH (IN)	PHYSICAL TOTAL DEPTH (IN)	PHYSICAL EXHAUST DUCT CONNECTION L/W (IN)	NOTES
KH-1	4224 EX-2-PSP-F	SEE PLAN	I	GREASE EXHAUST	4210	0.67	182	54	37 / 10	1, 2, 3
KH-2	4224 EX-2-PSP-F	SEE PLAN	I	GREASE EXHAUST	3445	0.55	182	54	30 / 10	1, 2, 3
KH-3	4824 VHB-G	SEE PLAN	II	VAPOR EXHAUST	600	0.25	48	48	10 / 10	1
KH-4	6024 EX-2	SEE PLAN	I	GREASE EXHAUST	675	0.23	54	60	8 / 8	1, 2, 3

1. AIRFLOWS AT DESIGN ELEVATION OF 4,650'.
2. PROVIDED COMPLETE WITH FRONT SUPPLY AIR PLENUM WITH PERFORATED PANEL DIFFUSERS AND SUPPLY RISER CONNECTIONS, END MOUNTED UTILITY CABINET, FACTORY MOUNTED AND PRE-WIRED FAN AND LIGHT SWITCHES.
3. PHYSICAL DIMENSIONS INCLUDE SUPPLY AIR PLENUM (DEPTH) AND END MOUNTED UTILITY CABINET (LENGTH).

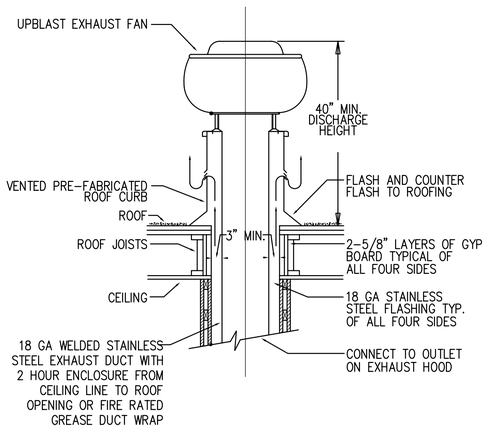
GRILLES, REGISTERS AND DIFFUSERS

TAG	MANUF	MODEL	NECK SIZE	MAX CFM	MAX NC	DESCRIPTION
CD-1	EH PRICE	SPD	6" DIA, 7" DIA. 8" DIA. 10" DIA. 12" DIA. 14" DIA. 15" DIA.	230 300 350 545 710 960 1040	30	SQUARE PLAQUE FACE CEILING DIFFUSERS. REMOVABLE FACE, C.W./O.B.D. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE.
RG-1	EH PRICE	PDDR	10 x 10 12 x 12 14 x 14 10 x 22 16 x 16 18 x 18 20 x 20 22 x 22	350 500 550 625 725 900 1000 1320	30	PERFORATED FACE RETURN AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES HSLL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. AIR QUANTITY SHALL MATCH ROOM SUPPLY OR EXHAUST AIR QUANTITY.

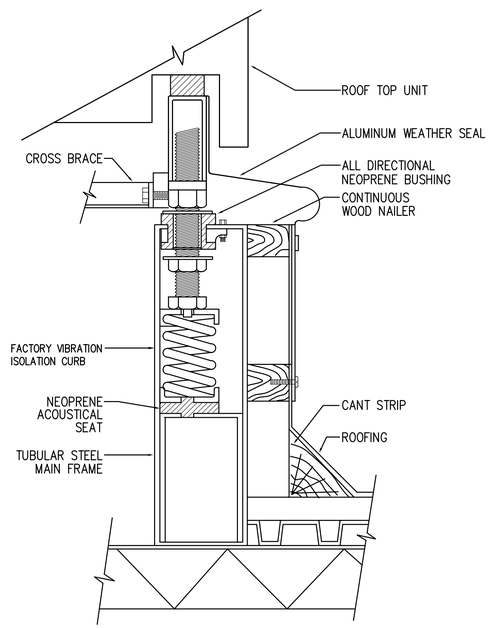
MAKE-UP AIR HANDLER UNIT SCHEDULE

ID	MANUF. AND MODEL NO.	LOCATION	OUTSIDE AIR FLOW RATE (CFM)	EXTERNAL STATIC PRESSURE DROP (IN H20)	HEATING ENTER/ LEAVING AIR TEMP. DB (DEG. F)	HEATING REQUIRED INPUT HEATING LOAD (MBH)	HEATING REQUIRED OUTPUT HEATING LOAD (MBH)	MEDIUM	MOTOR FAN RPM	MOTOR HP	MOTOR V/PH/HZ	NOTES
MAU-1	REZNOR RGBL	SEE PLANS	6500	0.5	0 / 70	630	403.2	NAT. GAS	1025	5	208/3/60	1, 2, 3

1. AIRFLOW AND HEATING CAPACITY AT DESIGN ELEVATION OF 4,650'.
2. PROVIDE UNIT COMPLETE WITH FACTORY FULL PERIMETER ROOF CURB, FREEZESTAT, FACTORY MOUNTED AND WIRED 115V CONVENIENCE OUTLET, FACTORY DOWNTURN PLENUM CABINET, GAS PRESSURE SAFETY SWITCHES, AIRFLOW PROVING SWITCH, AND FIELD INSTALLED 100% OUTSIDE AIR HOOD.
3. PROVIDE UNIT WITH FACTORY EVAPORATIVE COOLING SECTION WITH 90% EFFICIENT 12" EVAPORATIVE MEDIA, EVAPORATIVE SECTION SHALL BE FULLY INTEGRATED INTO UNIT OPERATION.



C1 / M-501 GREASE HOOD DUCT ROOF PENETRATION DETAIL
NO SCALE



A1 / M-501 ROOF CURB DETAIL
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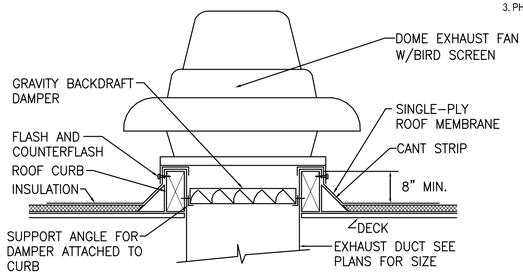

B2 / M-501 DIFFUSER CONNECTION DETAIL
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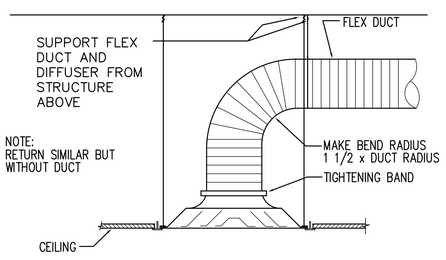

A2 / M-501 DIFFUSER CONNECTION DETAIL
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State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
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SHEET TITLE
MECHANICAL SCHEDULES & DETAILS

SHEET NUMBER
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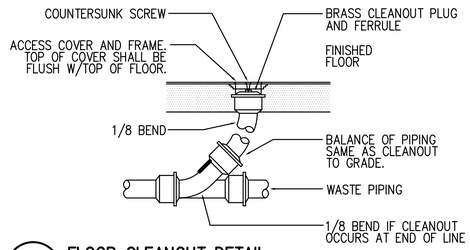
PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES
S-1	SINK	1/2	1/2	2	1 1/2	FURNISHED BY OTHERS
S-2	SCULLERY SINK	1/2	1/2	2	1 1/2	FURNISHED BY OTHERS
S-3	DISH TABLE	1/2	1/2	2	1 1/2	FURNISHED BY OTHERS
S-4	SINK	1/2	1/2	1 1/2	1 1/2	COLD WATER DISPENSER W/SINK
FD-1	FLOOR DRAIN	-.-	-.-	2	2	GENERAL FLOOR DRAIN
FS-1	FLOOR SINK	-.-	-.-	2	2	ICE MACHINE WASTE
FS-2	FLOOR SINK	-.-	-.-	3	1 1/2	SCULLERY SINK WASTE
ICE-1	ICE MACHINE OUTLET	1/2	-.-	2	2	-.-
GI-1	GREASE INTERCEPTOR	-.-	-.-	3	2	-.-
TP-1	TRAP PRIMER	1/2	-.-	-.-	-.-	-.-

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

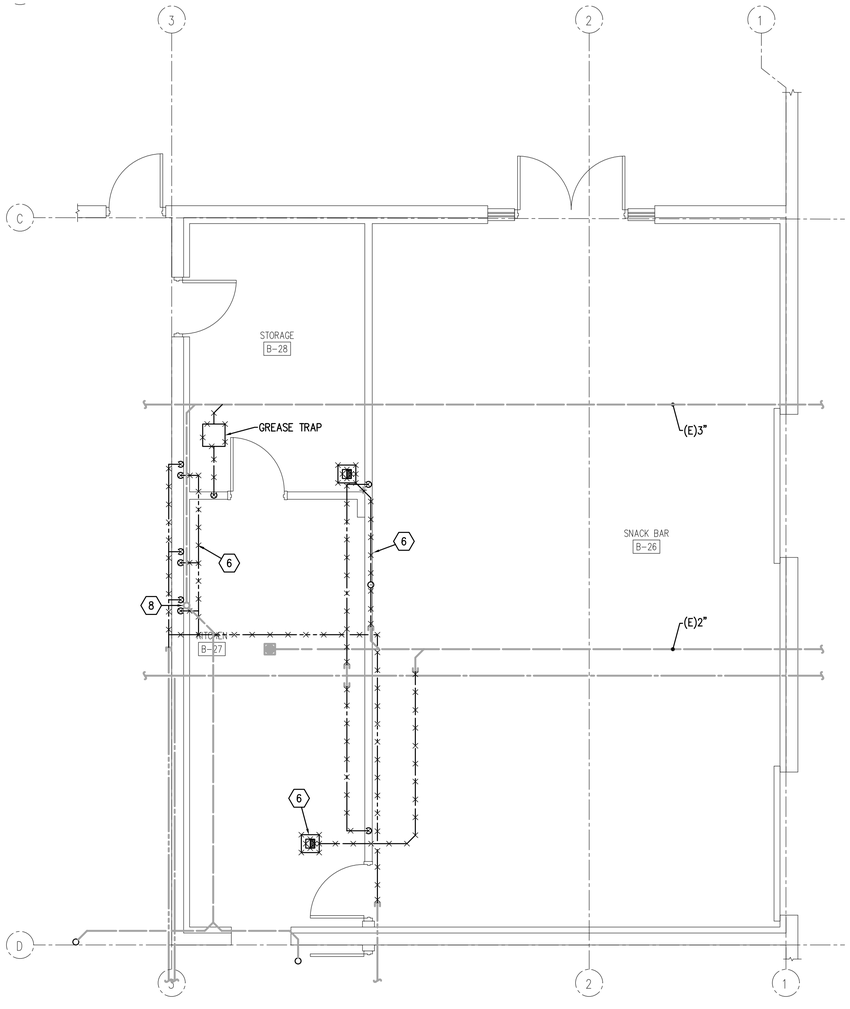


D3 / P-101 FLOOR CLEANOUT DETAIL

NO SCALE

KEYED NOTES

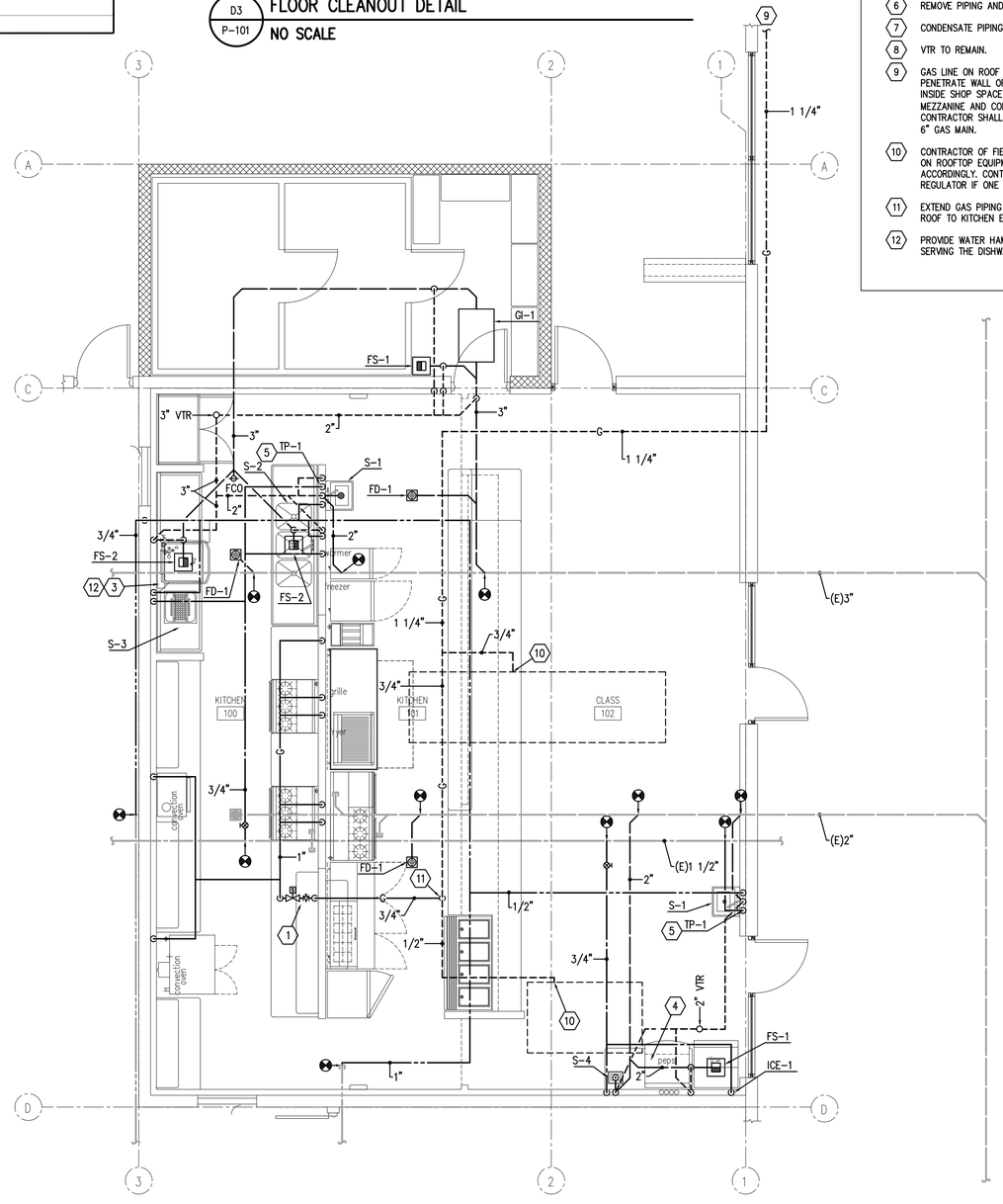
1. GAS SHUT OFF COCK AND SOLENOID SHUT OFF VALVE BELOW CEILING IN ACCESSIBLE LOCATION. TIE SOLENOID SHUT-OFF TO FIRE SUPPRESSION SYSTEM.
2. WASTE CONNECTION FOR DISHWASHER.
3. WASTE CONNECTION FOR DISH TABLE SINKS.
4. EXTEND WASTE LINE FROM DRINK MACHINE BELOW COUNTER TO S-4 WASTE LINE. PROVIDE AIR GAP CONNECTION BELOW COUNTER.
5. PROVIDE TRAP PRIMER LAVATORY COLD WATER STOP AND EOUTE TO FLOOR DRAINS.
6. REMOVE PIPING AND FIXTURES SHOWN CROSSED OUT.
7. CONDENSATE PIPING TO REMAIN.
8. VTR TO REMAIN.
9. GAS LINE ON ROOF EXTEND ALONG ROOF AND PENETRATE WALL OF TWO STORY SHOP SPACE. ONCE INSIDE SHOP SPACE EXTEND PIPING EAST OVER MEZZANINE AND CONNECT TO EXISTING 6" GAS MAIN. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING 6" GAS MAIN.
10. CONTRACTOR OF FIELD VERIFY GAS CONNECTION POINT ON ROOFTOP EQUIPMENT AND RUN GAS PIPING ACCORDINGLY. CONTRACTOR TO PROVIDE PRESSURE REGULATOR IF ONE IS NOT SUPPLIED WITH EQUIPMENT.
11. EXTEND GAS PIPING FROM ROOFTOP GAS PIPING THRU ROOF TO KITCHEN EQUIPMENT.
12. PROVIDE WATER HAMMER ARRESTOR ON WATER PIPING SERVING THE DISHWASHER.



NORTH

A3 / M-101 PLUMBING DEMOLITION FLOOR PLAN

SCALE 1/4" = 1'-0"



NORTH

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SHEET NUMBER
P-101

SHEET 18 OF 25

WIRING DEVICE SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
$	SINGLE-POLE TOGGLE SWITCH	+48"	
$^a	SINGLE-POLE TOGGLE SWITCH	+48"	SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
$_2	DOUBLE-POLE TOGGLE SWITCH	+48"	
$_3	THREE-WAY TOGGLE SWITCH	+48"	
$_4	FOUR-WAY TOGGLE SWITCH	+48"	
$_K	KEY-OPERATED SINGLE-POLE TOGGLE SWITCH	+48"	
$_P	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
$_DIM	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE
$_TIM	TIMER SWITCH	+48"	
$$	(2) SINGLE-POLE TOGGLE SWITCH	+48"	DUAL LEVEL SWITCH OUTBOARD LAMPS SEPARATELY FROM INBOARD LAMPS.
$^a_LV	LOW VOLTAGE MOMENTARY CONTACT SWITCH	+48"	
$_3PM	3-POSITION MOMENTARY CONTACT SWITCH	+48"	REFER TO DETAIL UP-ON; CENTER-NEUTRAL; DOWN-OFF
$_3PN	3-POSITION MAINTAINED CONTACT SWITCH	+48"	UP-ON; CENTER-OFF; DOWN-ON
C/W	OCCUPANCY SENSOR	AS NOTED	CEILING MOUNTED WITH SUBSCRIPT 'C'; WALL-MOUNTED WITH SUBSCRIPT 'W'
	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
	SIMPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE	+18"	
	FOURPLEX RECEPTACLE	+18"	
	125/250V RECEPTACLE	+18"	RANGE -- NEMA 14-50R DRYER -- NEMA 14-30R
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
	EMERGENCY DUPLEX RECEPTACLE	+18"	
	EMERGENCY FOURPLEX RECEPTACLE	+18"	
	MULTI-OUTLET ASSEMBLY	4" ABOVE BACKSPLASH	
	POWER / TELEPHONE POLE	FLOOR/CEILING	
	CORD DROP WITH DUPLEX RECEPTACLE	+18"	REFER TO DETAIL
(5-20R)	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
BDT	BEAM DETECTOR - TRANSMITTER	4" BELOW CEILING TO TOP OF DETECTOR	
BDR	BEAM DETECTOR - RECEIVER	4" BELOW CEILING TO TOP OF DETECTOR	
EOL	END OF LINE DEVICE	PER MANUFACTURER RECOMMENDATIONS	
T	TAMPER SWITCH	AT VALVE	
W	WATER FLOW INDICATOR	ON FIRE RISER	
FSD	FIRE/SMOKE DAMPER	TOP AT 72"	
	HEAT DETECTOR	CEILING	
	SMOKE DETECTOR	CEILING	
D	DUCT SMOKE DETECTOR	SIDE OF DUCT	
F	FIRE ALARM MANUAL STATION	+48"	
Z	CONTROL MODULE	AT DEVICE(S) TO BE CONTROLLED	
I	MONITOR MODULE	AT DEVICE(S) TO MONITOR	
R	FAN SHUTDOWN RELAY	AT FAN CONTROL PANEL	
D	MAGNETIC DOOR HOLDER	COORDINATE WITH DOOR INSTALLER	COORDINATE WITH DOOR INSTALLER; SUBSCRIPT 'F' INDICATES TO MOUNT AT FLOOR LEVEL
WF	WATER FLOOD INDICATOR	FLOOR	
H	AUDIO HORN	MOUNT AT LESSOR OF EITHER 80" AFF OR 6" BELOW CEILING.	SUBSCRIPT 'WP' INDICATES THAT A WEATHER PROOF BACK BOX IS REQ. SUBSCRIPT 'C' INDICATES CEILING MOUNTING. NUMERIC SUBSCRIPT INDICATES CANDELLA RATING OF STROBE (I.E. - 15, 75, 110)
M	MINI AUDIO HORN		
	FIRE ALARM VISUAL STROBE		
	FIRE ALARM AUDIO/VISUAL HORN/STROBE		
M	MINI AUDIO/VISUAL HORN/STROBE		
S	FIRE ALARM AUDIO SPEAKER		
	FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE		
	FIRE PROTECTION SPRINKLER RISER BELL	+90"	FURNISHED BY FIRE PROTECTION CONTRACTOR AND INSTALLED AND CONNECTED BY DIV. 16000

ELECTRONIC SYSTEM GENERAL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
PANEL NAME	ELECTRONIC SYSTEM PANELBOARD (SURFACE MOUNT)	TOP AT 72"	ELECTRONIC SYSTEMS MAY INCLUDE BUT ARE NOT SPECIFICALLY LIMITED TO, TELEPHONE, DATA, TELEVISION, LIGHTING CONTROL, CLOCKS, FIRE ALARM, ACCESS CONTROL, SECURITY, CCTV, SOUND SYSTEM, NURSE CALL, OR INTERCOM.
PANEL NAME	ELECTRONIC SYSTEM PANELBOARD (FLUSH MOUNT)	TOP AT 72"	
	ELECTRONIC SYSTEM TERMINAL BOARD	TOP AT 72"	

TELEPHONE / DATA SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	TELEPHONE OUTLET	+18"	
	DATA OUTLET	+18"	
	COMBINATION TELEPHONE/DATA OUTLET	+18"	

LIGHTING SYMBOLS

1. LIGHT FIXTURE SYMBOLS ARE GENERAL IN NATURE AND MAY BE SHOWN ON THE DRAWINGS IN VARIOUS SIZES AND SHAPES. REFER TO THE LIGHT FIXTURE SCHEDULE FOR SPECIFICATION INFORMATION.
2. ARROWS INDICATE AIMING DIRECTION.

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ARM-MOUNTED SINGLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	ARM-MOUNTED DOUBLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	POST-TOP SINGLE-HEAD, LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT BOLLARD	AS SPECIFIED OR DETAILED	
	FLOOD LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL FIXTURE OR STEP LIGHT	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	FLUORESCENT LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	PARABOLIC - LOUVERED LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	RECESSED INDIRECT FLUORESCENT LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LINEAR FLUORESCENT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	FLUORESCENT LINEAR WALL WASHER	AS SPECIFIED OR DETAILED	
	RECESSED DOWN LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL-WASHER OR DIRECTIONAL DOWNLIGHT	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
	SURFACE OR PENDANT-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	TRACK OR MONO-POINT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
D	WALL SCONCE	AS SPECIFIED OR DETAILED	
	FLUORESCENT EGRESS LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EGRESS LIGHT FIXTURE. EGRESS LIGHT FIXTURES ARE HALF-SHADED DIAGONALLY.
	FLUORESCENT EMERGENCY (NON-EGRESS) LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IN AN EXAMPLE OF AN EMERGENCY (NON-EGRESS) LIGHT FIXTURE. EMERGENCY FIXTURES ARE FULLY-SHADED.
	CEILING MOUNTED EXIT SIGN	CEILING	DARKENED PORTION OF SIGN INDICATES FACE(S); ARROW(S) INDICATE CHEVRON DIRECTION(S)
	WALL-MOUNTED EXIT SIGN	WALL ABOVE DOOR	
	WALL-MOUNTED EXIT SIGN W/ EMERGENCY LIGHT FIXTURE	WALL ABOVE DOOR	
TC	TIME CLOCK		
	EMERGENCY LIGHT FIXTURE	AS NOTED	
P	ELECTRIC PHOTOCELL	N/A	MOUNT ON ROOF FACING NORTH SKY
XX	LIGHT FIXTURE CALLOUT (LETTER DENOTES FIXTURE TYPE)		

BRANCH CIRCUITING SYMBOLS

SYMBOL	DESCRIPTION	REMARKS
	1 CIRCUIT, 2 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.
	2 CIRCUIT, 3 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	SHORT CROSS LINES: NUMBER OF SHORT CROSS LINES INDICATES NUMBER OF PHASE, TRAVELER, AND/OR SWITCHED CONDUCTORS REQUIRED IF GREATER THAN 1 (ONE).
	3 CIRCUIT, 4 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	LONG CROSS LINES: NUMBER OF LONG CROSS LINES INDICATES NUMBER OF NEUTRAL CONDUCTORS REQUIRED FOR MULTI-WIRE HOME RUNS.
	MULTIPLE WIRE BRANCH CIRCUITING BETWEEN FIXTURES, SWITCHES, DEVICES, ETC.	EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS: EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS ARE NOT SHOWN, BUT ARE REQUIRED AS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
	BRANCH CIRCUITING (U.N.O.) TURNED UP OR TOWARDS OBSERVER.	
	BRANCH CIRCUITING (U.N.O.) TURNED DOWN OR AWAY FROM OBSERVER.	
	BRANCH CIRCUITING (U.N.O.) CONTINUATION	
	CONDUIT STUB-IN	CAP AND MARK
	INCOMING SERVICE	
J	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE

ELECTRICAL SHEET INDEX

EG001	SYMBOL SCHEDULE
EG002	SYMBOL SCHEDULE
EL101	LIGHTING PLAN
EP101	POWER PLAN
EP102	MECHANICAL EQUIPMENT POWER PLAN
EP801	PANEL SCHEDULES
EY101	AUXILIARY PLAN

ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES

1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.
2. WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED REQUIREMENTS.
3. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.
4. NOT ALL ELECTRICAL SYMBOLS MAY BE USED.

GENERAL SYMBOLS

SYMBOL	DESCRIPTION	REMARKS
XX	KEYED NOTE	
1 / E-1	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER; BOTTOM LETTER-NUMBER INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN; WHERE NOT SPECIFICALLY REFERENCED, DETAIL IS GENERAL IN NATURE AND SHALL APPLY WHERE APPLICABLE.
2 / E-2	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
3 / E-3	SECTION REFERENCE	TOP NUMBER INDICATES SECTION NUMBER; BOTTOM LETTER NUMBER INDICATES WHERE SECTION IS SHOWN.
100	ARCHITECTURAL ROOM NUMBER	
AHU / 1	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.
1	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.
	BREAKLINE	USED TO BREAK DRAWINGS.

GEAR AND CONTROL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
$_T	MANUAL STARTER WITH THERMAL OVERLOAD(S)	AT EQUIPMENT	
	ELECTRIC MOTOR		
	NON-FUSED DISCONNECT SWITCH	+60"	
F	FUSED DISCONNECT SWITCH	+60"	
	CIRCUIT BREAKER AND ENCLOSURE	+60"	
	MAGNETIC STARTER	+60"	
	COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT	+60"	
	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT	+60"	
	COMB. MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)	+60"	
VFD	COMB. VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
RVS	REDUCED VOLTAGE STARTER	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
	LOAD CENTER (SURFACE-MOUNTED)	TOP AT +72"	14"W X 3"D
	LOAD CENTER (FLUSH-MOUNTED)	TOP AT +72"	14"W X 3"D
	LIGHTING AND APPLIANCE PANELBOARD (SURFACE-MOUNTED)	TOP AT +72"	20"W X 6"D
	LIGHTING AND APPLIANCE PANELBOARD (FLUSH-MOUNTED)	TOP AT +72"	20"W X 6"D
	POWER DISTRIBUTION PANELBOARD	WALL	THESE SYMBOLS ARE GENERAL IN NATURE AND MAY VARY IN SIZE AND SHAPE TO SUIT APPLICATION. CROSS HATCHING INDICATES "MAIN PANELBOARD OR SWITCHBOARD" NAME IS INDICATED IN SEMI-QUOTES (I.E. 'L2A', 'MDP')
	SWITCHBOARD	FLOOR	
	METER BASE	TOP AT +72"	
	OPEN - STOP - CLOSE SWITCH	+60"	FURNISH SWITCH UNLESS FURNISHED BY ANOTHER DIVISION. INSTALL AND CONNECT COMPLETE. REFER TO RELATED SPECIFICATION SECTIONS.
T	HVAC THERMOSTAT	+60"	PROVIDED BY DIVISION 15000 U.N.O.
	HAND - OFF - AUTO SWITCH	+60"	
GF	GROUND FAULT PROTECTION		

State of Utah
Department of Administrative Services

Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects

P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net

ARCHITECTURE PLANNING DESIGN

CONSULTANT: ENVISION ENGINEERING

ENVISION ENGINEERING
Direction. Then Velocity.
244 West 300 North, Suite 100
Salt Lake City, Utah 84103
801.534.1130 ph 801.534.1080 fax

REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH

BUILDING NAME:

UTAH COLLEGE OF APPLIED TECHNOLOGY

UNITAH BASIN ATC CULINARY ARTS KITCHEN INPROVEMENTS

1100 EAST LAGOON ST. ROOSEVELT, UTAH

PROJECT TITLE:

UTAH COLLEGE OF APPLIED TECHNOLOGY

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UNITAH BASIN ATC CULINARY ARTS KITCHEN INPROVEMENTS

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CAD PROJECT NO:
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CHK'D BY:

SHEET TITLE

SYMBOL SCHEDULE

SHEET NUMBER

EG001

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	SERIES	DESCRIPTION	VOLTAGE	LOAD (VA)	MOUNTING	LAMPS					REMARKS
							NUMBER	TYPE	WATTS	COLOR (KELVIN)	CRI	
AWI	LITHONIA KIM	TW 42PL	WALL PACK UL LISTED FOR WET LOCATIONS OPTIONS: REMOTE EMERGENCY PACK OPTIONS: EMERGENCY BALLAST, REMOTE EMERGENCY BATTERY PACK. LUMINAIRE COLOR: SCBA	120	42	WALL	1	COMPACT FLOURESCENT HORIZONTAL ORIENTATION ONLY COATED LAMP FOR REDUCED GLARE	42	3500	86	
CR4	LITHONIA COLUMBIA	AF10 CSR	HEAVY-DUTY TURRET INDUSTRIAL LENGTH: 4' ELECTRONIC BALLAST(S): QTY: 1; THD: <10%	120	64	CHAIN	2	48" LINEAR T8 FLUORESCENT	32	3500	86	
DF	GOTHAM OMEGA	AFV S632PLT SPEX	OPEN REFLECTOR COMPACT FLUORESCENT DOWNLIGHT APPERATURE: 6" REFLECTOR TYPE: CLEAR REFLECTOR FINISH: SPECULAR LOW IRID LENS TYPE: CLEAR POLYCARBONATE MAXIMUM RECESS DEPTH: 11" ELECTRONIC BALLAST: <10% THD FLANGE: SELF-FLANGED	120	32	RECESSED	1	TRIPLE TUBE COMPACT FLUORESCENT VERTICAL ORIENTATION	32	3500	82	
GA43	LITHONIA COLUMBIA	2GT8 ST8	GENERAL PURPOSE TROFFER DIMENSIONS: 2'H X 4'L X 3-3/16"D DOOR FRAME: FLUSH WHITE STEEL DIFFUSER TYPE: .125" THICK #12 PATTERN ACRYLIC ELECTRONIC BALLAST(S): QTY: 1; THD: <10%	120	128	LAY-IN GRID	4	48" LINEAR T8 FLUORESCENT	32	3500	86	
GA43E	LITHONIA COLUMBIA	2GT8 ST8	GENERAL PURPOSE TROFFER DIMENSIONS: 2'H X 4'L X 3-3/16"D DOOR FRAME: FLUSH WHITE STEEL DIFFUSER TYPE: .125" THICK #12 PATTERN ACRYLIC ELECTRONIC BALLAST(S): QTY: 1; THD: <10% OPTION: EMERGENCY BATTERY PACK.	120	128	LAY-IN GRID	4	48" LINEAR T8 FLUORESCENT	32	3500	86	
P4	LEDALITE ALERA	150-CENTRIS CV (CURVE)	LINEAR STEEL FLUORESCENT TYPE: DIRECT/INDIRECT UPPER OPTICS: 10% UP/30% DN REFLECTOR: 96% REFLECTIVE WHITE STEEL LOWER OPTICS: BAFFLE WITH PERF HOUSING COLOR: SCBA DIMENSIONS: 4' NUMBER OF LAMPS IN CROSS SECTION: 2 NUMBER OF CIRCUITS: 1 WIRING: STANDARD POWER FEED: STRAIGHT CORD ELECTRONIC BALLAST(S): QTY: AS REQUIRED; THD: <10%	120	64	SUSPENDED	2	48" LINEAR T8 FLUORESCENT	32	3500	86	
P4E	LEDALITE ALERA	150-CENTRIS CV (CURVE)	LINEAR STEEL FLUORESCENT TYPE: DIRECT/INDIRECT UPPER OPTICS: 10% UP/30% DN REFLECTOR: 96% REFLECTIVE WHITE STEEL LOWER OPTICS: BAFFLE WITH PERF HOUSING COLOR: SCBA DIMENSIONS: 4' NUMBER OF LAMPS IN CROSS SECTION: 2 NUMBER OF CIRCUITS: 1 WIRING: EMERGENCY BATTERY PACK. POWER FEED: STRAIGHT CORD ELECTRONIC BALLAST(S): QTY: AS REQUIRED; THD: <10%	120	64	SUSPENDED	2	48" LINEAR T8 FLUORESCENT	32	3500	86	
XI	LITHONIA MCPHILBEM	LE SSL	LED DIE-CAST ALUMINUM EXIT SIGN OPERATION: EMERGENCY - NICKEL CADMIUM BATTERY FACE TYPE: PANEL HOUSING COLOR: WHITE NUMBER OF FACES: 1 LETTER COLOR: RED	120	10	UNIVERSAL	1	LAMP INCLUDED	4	N/A	N/A	

LIGHT FIXTURE ABBREVIATION SCHEDULE

NOTE: NOT ALL ABBREVIATIONS WILL NECESSARILY BE USED.

A.F.F.	ABOVE FINISHED FLOOR
WALL@CLG.	WALL MOUNT AT CORNER OF WALL AND CEILING
CCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT
SCBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT
CFBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT
SFBA	STANDARD FINISH AS SELECTED BY THE ARCHITECT
MOD	MODIFY STANDARD LIGHT FIXTURE AS INDICATED

LIGHT FIXTURE GENERAL NOTES

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, BALLAST, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR LOUVER REQUIREMENTS (IF ANY).
5. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWING. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.

BIDDING REQUIREMENTS

1. BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM.
2. PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS NOT ALLOWED.
3. WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND/OR CONTRACTORS.
4. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN.

LIGHT FIXTURE PRIOR APPROVAL REQUIREMENTS

1. PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT.
2. PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.
3. PRIOR APPROVALS SHALL BE SIGNED BY A PRINCIPAL OF THE SUBMITTING ORGANIZATION STATING THAT THEY HAVE PREPARED AND/OR REVIEWED THE SUBMITTAL AND THAT THE PRODUCTS PROPOSED ARE EQUIVALENT TO THOSE SPECIFIED. ANY EXCEPTIONS SHALL BE SO NOTED.
4. ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVAL WILL NOT BE GIVEN ON ANY ITEM.
5. IT IS NOT THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN.
6. PRIOR APPROVALS SHALL CONSIST OF TWO SETS OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. FAXES ARE NOT ACCEPTABLE. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED, WITH NON-APPLICABLE INFORMATION CROSSED OUT. COMPLETE PHOTOMETRIC DATA SHALL BE PROVIDED. PRODUCTS WITHOUT PHOTOMETRIC DATA WILL BE NOT BE APPROVED.

LIGHT FIXTURE SCHEDULE KEYED NOTES

1. ---
2. ---

ABBREVIATION SCHEDULE

NOTE: NOT ALL ABBREVIATIONS MAY BE USED.

A	ABOVE COUNTER	ISO	ISOLATED
A	AMP OR AMPS	KVA	KILO VOLT AMPERES
ADJ	ADJACENT	KW	KILOWATTS
AFF	ABOVE FINISHED FLOOR	LFMC	LIQUID-TIGHT METAL CONDUIT
AHJ	AUTHORITY HAVING JURISDICTION	LFNC	LIQUID-TIGHT NONMETAL CONDUIT
AL	ALUMINUM	MCA	MINIMUM CIRCUIT AMPS
C	CONDUIT	MLO	MAIN LUGS ONLY
CB	CIRCUIT BREAKER	N.C.	NORMALLY CLOSED
CKT	CIRCUIT	N.I.C.	NOT IN CONTRACT
C.O.'S	CONVENIENCE OUTLETS	NL	NIGHT LIGHT
CU	COPPER	N.O.	NORMALLY OPEN
EA	EACH	O.C.	ON CENTER(S)
ELEC	ELECTRICAL	OCP	OVER CURRENT PROTECTION
EM	EMERGENCY	QTY	QUANTITY
EMT	ELECTRIC METALLIC TUBING	R	REMOVE
ENT	ELECTRIC NONMETALLIC TUBING	REQ.	REQUIREMENTS
EQUIP	EQUIPMENT	RMC	RIGID METAL CONDUIT
EWC	ELECTRIC WATER COOLER	RNC	RIGID NONMETALLIC CONDUIT
E, EX	EXISTING	RR	REMOVE AND RELOCATE
EXP	EXPLOSION PROOF	SS	SURGE SUPPRESSION
FA	FIRE ALARM	SCP	SECURITY CONTROL PANEL
FACP	FIRE ALARM CONTROL PANEL	TR	TAMPER RESISTANT
FLA	FULL LOAD AMPS	TYP	TYPICAL
FMC	FLEXIBLE METAL CONDUIT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
FOB	FREIGHT ON BOARD	UF	UNDER FLOOR
GND	GROUND CONDUCTOR	UG	UNDERGROUND
HOA	HAND-OFF-AUTO	U.N.O.	UNLESS NOTED OTHERWISE
HP	HORSE POWER	W	WITH
IG	ISOLATED GROUND	WP	WEATHER PROOF
IMC	INTERMEDIATE METAL CONDUIT	XFMR	TRANSFORMER
INS	INSULATED		

GENERAL PROJECT NOTES:

1. DIVISION 16000 CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATION SHALL BE LISTED ON THE SUBSTANTIAL COMPLETION PUNCHLIST. THE CONTRACTOR WILL BE REQUIRED TO REMEDY THESE DEFICIENCIES. THERE WILL BE NO EXCEPTIONS.
2. THE CONTRACTOR MAY SCHEDULE A PRE-CONSTRUCTION MEETING , AT THEIR DISCRETION WITH THE ELECTRICAL ENGINEER AND REVIEW THE DRAWINGS AND SPECIFICATIONS. THE MEETING SHALL BE A MAXIMUM OF ONE HOUR AND SHALL TAKE PLACE AT THE ENGINEER'S OFFICE.
3. THE FOLLOWING ITEMS ARE SOME OF THE REQUIREMENTS THAT ARE LISTED IN THE SPECIFICATIONS, THESE ITEMS DO NOT REPRESENT ALL ITEMS AND THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF THE SPECIFICATIONS:
   - A. INSULATED THROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZES USED ON THIS PROJECT.
   - B. A #10 AWG NEUTRAL CONDUCTOR WILL BE PROVIDED FOR ALL FLUORESCENT LIGHTING CIRCUITS.
   - C. THE CONTRACTOR IS RESPONSIBLE FOR UPSIZING CONDUCTORS FOR VOLTAGE DROP PER THE NEC REGARDLESS OF WHETHER IT IS SHOWN ON THE PLANS OR NOT.
   - D. THE CONTRACTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT IN THE SPECIFICATIONS.
   - E. THE CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT AND BRACING FOR ALL ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL AND NATIONAL CODE.
4. THE CONTRACTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. EACH CIRCUIT BREAKER HAS BEEN ASSIGNED A SPECIFIC AREA OF THE BUILDING. NO DEVIATION WILL BE ALLOWED WITHOUT THE APPROVAL FROM THE ELECTRICAL ENGINEER.
5. THE CONTRACTOR SHALL INSTALL PROPER WIRE SIZE AS CALLED OUT ON THE PANELBOARD SCHEDULES. HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE WIRE IS LARGE ENOUGH FOR VOLTAGE DROP.
6. THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERPROTECTION DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB, PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT. CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO EXTRA PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY HIS FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNER'S REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.
8. THE CONTRACTOR SHALL MAKE SURE THAT ALL BRANCH CIRCUITS THAT ARE AFFECTED BY THIS PROJECT ARE NOT OVERLOADED. PROVIDE ADDITIONAL BRANCH CIRCUITS FROM ELECTRICAL PANELS AS NECESSARY TO COMPLY WITH THE BRANCH CIRCUIT LOADING REQUIREMENTS. PROVIDE ALL MATERIAL AND LABOR AS NECESSARY FOR A COMPETE AND OPERATING SYSTEM.
9. PROVIDE UPDATED, TYPED PANELBOARD SCHEDULE(S) TO REFLECT ALL THE CHANGES MADE INCLUDING EXISTING LOADS. THE EXISTING LOADS SHALL BE NAMED THE SAME AS LISTED ON THE EXISTING PANELBOARD SCHEDULE.

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects
P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net
ARCHITECTURE | PLANNING | DESIGN

CONSULTANT: ENVISION ENGINEERING
ENVISION ENGINEERING
Direction. Then Velocity.
244 West 300 North, Suite 100
Salt Lake City, Utah 84103
801.534.1100(t) 801.534.1000 fax
REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH

BUILDING NAME:
UTAH COLLEGE OF APPLIED TECHNOLOGY
UNITAH BASIN ATC
CULINARY ARTS
KITCHEN INPROVEMENTS
1100 EAST LAGOON ST.
ROOSEVELT, UTAH

PROJECT TITLE:
UTAH COLLEGE OF APPLIED TECHNOLOGY
1100 EAST LAGOON ST.
ROOSEVELT, UTAH
UNITAH BASIN ATC
CULINARY ARTS
KITCHEN INPROVEMENTS

MARK	DATE	DESCRIPTION

ISSUE TYPE: REVIEW DOCUMENTS

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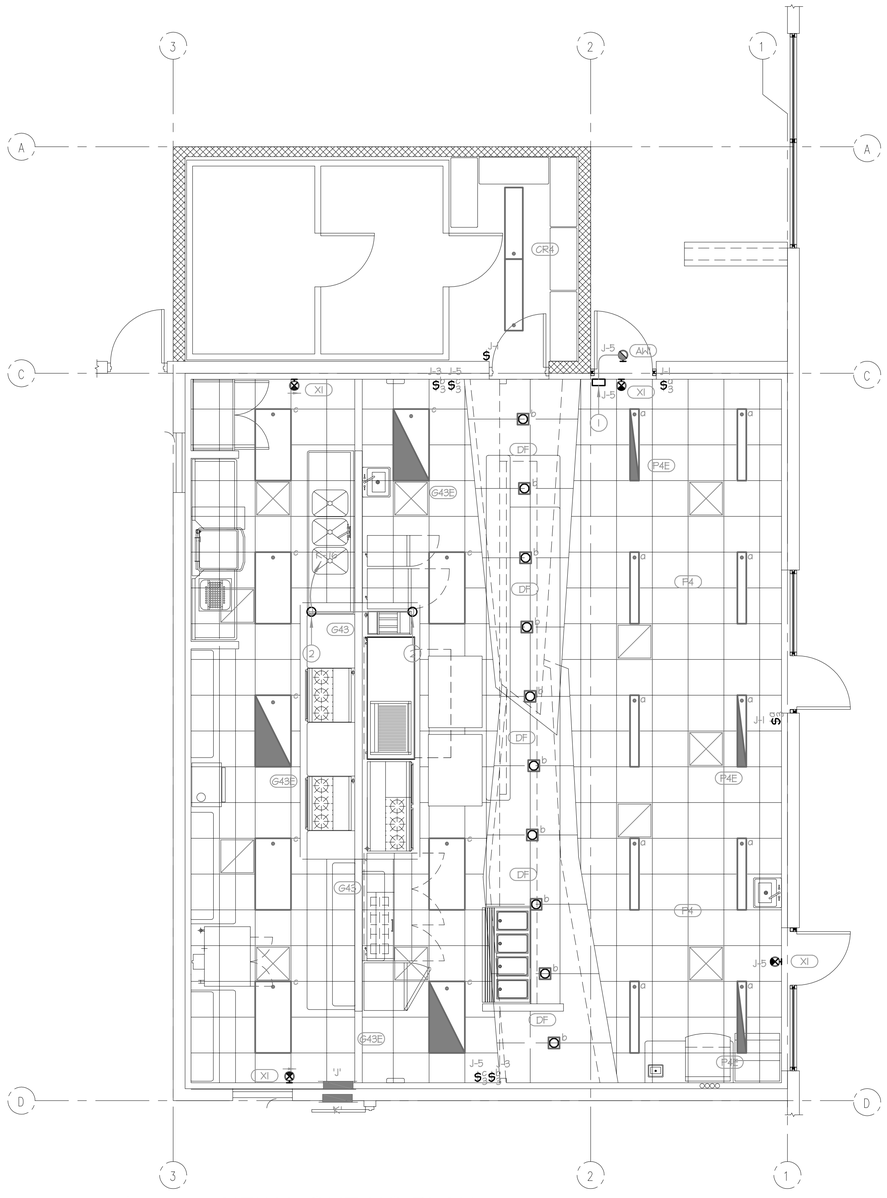
SHEET TITLE
SYMBOL SCHEDULE

SHEET NUMBER
EG002

SHEET 20 OF 25



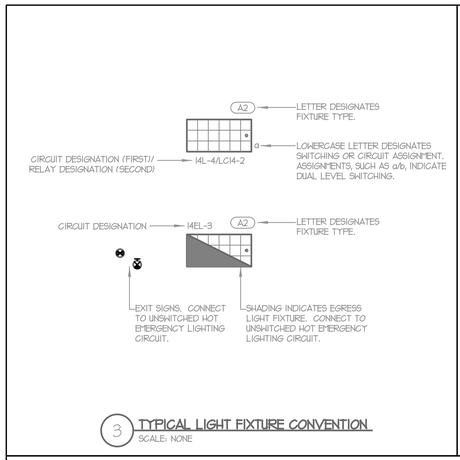
NEW LIGHTING PLAN

SCALE 1/4" = 1'-0"

NORTH

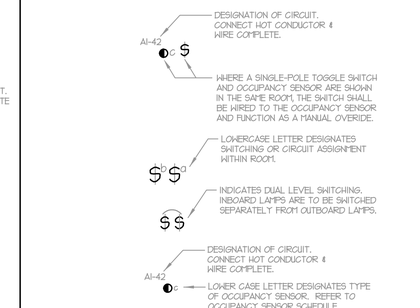
KEYED NOTES:

1. PROVIDE EMERGENCY BATTERY PACK FOR EXTERIOR EMERGENCY EGRESS LIGHTING. LOCATE ABOVE THE ACCESSABLE CEILING SPACE FOR A COMPLETE INSTALLATION.
2. 120 VOLT POWER FOR HOOD LIGHTS.



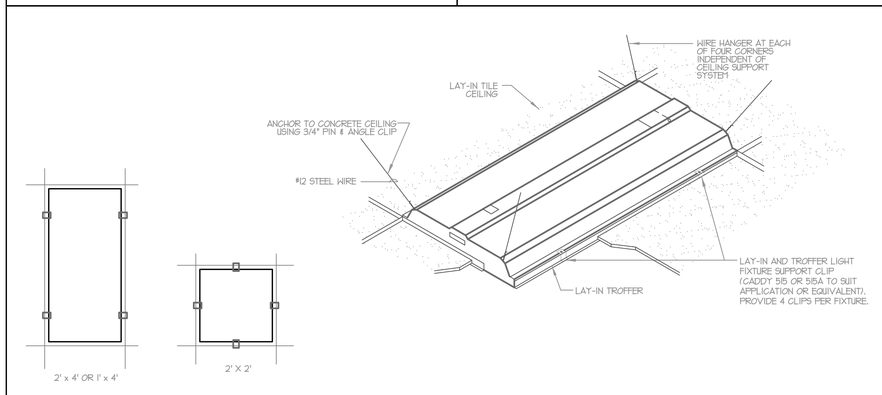
3 TYPICAL LIGHT FIXTURE CONVENTION

SCALE: NONE



2 TYPICAL SWITCHING CONVENTIONS

SCALE: NONE



1 LIGHT FIXTURE SUPPORT DETAIL

SCALE: NONE

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801.534.1100 tel 801.534.1000 fax

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SHEET TITLE

LIGHTING PLAN

SHEET NUMBER

EL101

SHEET 21 OF 25

EQUIPMENT SCHEDULE

UNIT NAME	DESCRIPTION	LOAD	TYPE	VOLTAGE	PHASE	AMPERAGE	CONDUIT SIZE	WIRES NO.	WIRES SIZE	STARTER / DISCONNECT/ CONNECTION AT UNIT NOTE	STARTER SIZE	OCP SIZE	OCP POLES	DISCONNECT SIZE	DISCONNECT POLES	POWER FACTOR CORRECTION CAPACITOR (KVAR)	REMARKS
K-1	DRAWERED REFRIGERATED BASE	10.3	AMPS	120	1	10.3	3/4"	2	12	13A	-	-	-	-	-	-	NEMA 5-15P CONFIGURATION
K-2	REACH-IN SOLID DOOR FREEZER	10.4	AMPS	120	1	10.4	3/4"	2	12	13A	-	-	-	-	-	-	NEMA 5-15P CONFIGURATION
K-3	FOOD PREP TABLE	10.5	AMPS	120	1	10.5	3/4"	2	12	13A	-	-	-	-	-	-	NEMA 5-15P CONFIGURATION
K-4	REACH-IN SOLID DOOR COOLER	1/3	HP	120	1	7.6	3/4"	2	12	13A	-	-	-	-	-	-	NEMA 5-15P CONFIGURATION
K-5	GAS RESTAURANT RANGE	1/4	HP	120	1	5.8	3/4"	2	12	13A	-	-	-	-	-	-	NEMA 5-15P CONFIGURATION
K-6	GAS RESTAURANT RANGE	1/4	HP	120	1	5.8	3/4"	2	12	13A	-	-	-	-	-	-	NEMA 5-15P CONFIGURATION
K-7	GAS RESTAURANT RANGE	1/4	HP	120	1	5.8	3/4"	2	12	13A	-	-	-	-	-	-	NEMA 5-15P CONFIGURATION
K-8	COMPACT WAREWASHING STATION	5.1	AMPS	208	1	5.1	1"	2	3	14A	-	-	-	-	-	-	
K-9	FOOD WARMER	500	WATTS	120	1	4.2	3/4"	2	12	13A	-	-	-	-	-	-	
K-10	CONVECTION OVEN	1/2	HP	120	1	9.8	3/4"	2	12	13A	-	-	-	-	-	-	
K-11	MICROWAVE	8.7	AMPS	208	1	8.7	3/4"	2	12	14A	-	-	-	-	-	-	NEMA 6-20P CONFIGURATION
K-12	HOT FOOD TABLE	18.3	AMPS	208	1	18.3	3/4"	2	10	14A	-	-	-	-	-	-	NEMA 6-20P CONFIGURATION
K-13	CONVECTION OVEN	1/2	HP	120	1	9.8	3/4"	2	12	13A	-	-	-	-	-	-	
K-14	WALK-IN COOLER/FREEZER REMOTE UNIT	25	AMPS	208	1	25	3/4"	2	6	10A	-	35	2	60	2	-	NEMA 3R DISCONNECT REQUIRED
K-15	WALK-IN COOLER/FREEZER OUTDOOR UNIT	9	AMPS	208	1	9	3/4"	2	12	10A	-	15	2	25	2	-	NEMA 3R DISCONNECT REQUIRED

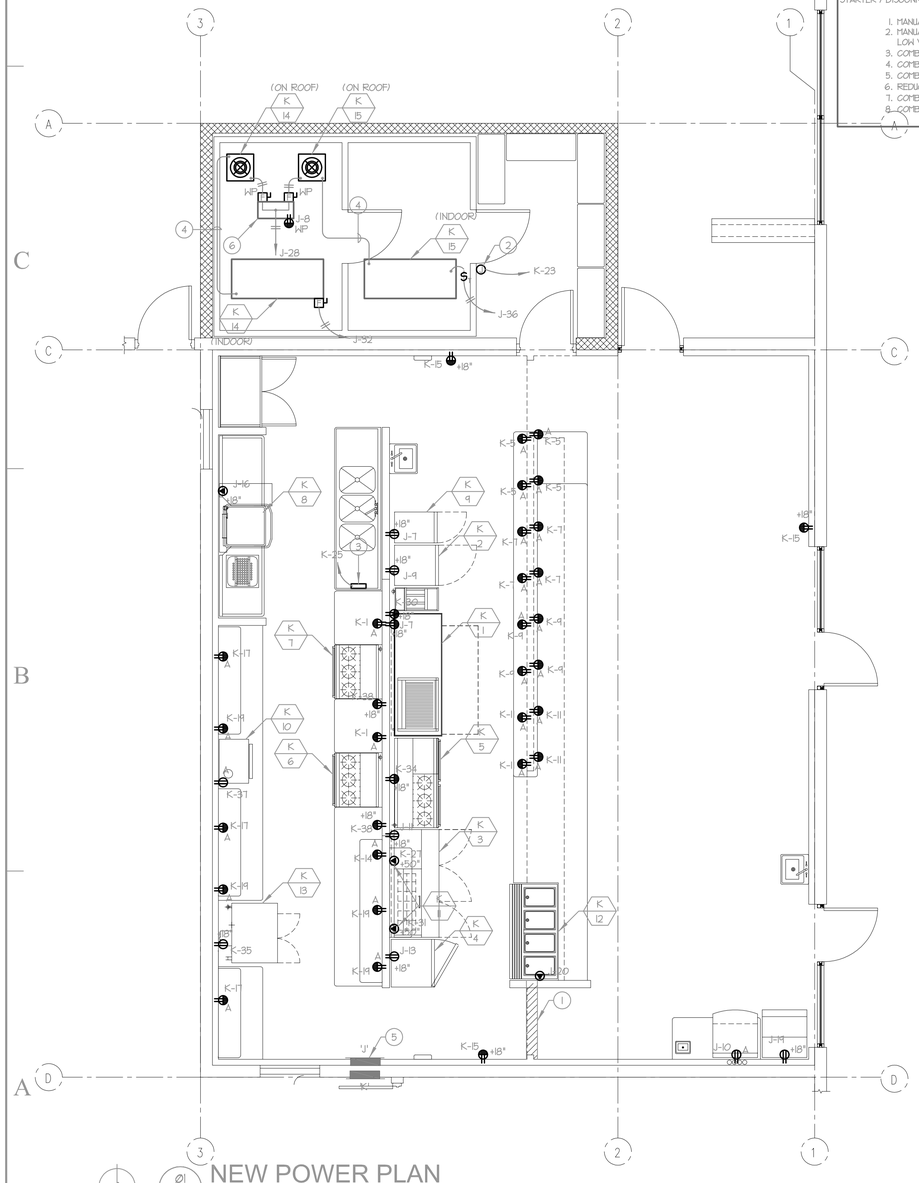
SIZE ALL FUSES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

STARTER / DISCONNECT NOTES:

1. MANUAL STARTER WITH THERMAL OVERLOAD
2. MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION & LOW VOLTAGE RELAY / CONTACTOR FOR ATC CONTROL
3. COMBINATION MAGNETIC STARTER / FUSED DISCONNECT
4. COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)
5. COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)
6. REDUCED VOLTAGE STARTER
7. COMBINATION TWO-SPEED STARTER / FUSED DISCONNECT
8. COMBINATION TWO-SPEED STARTER / MOTOR CIRCUIT PROTECTOR (MCP)
9. NON-FUSED DISCONNECT SWITCH
10. FUSED DISCONNECT SWITCH
11. BREAKER AND ENCLOSURE
12. DIRECT CONNECTION
13. DUPLEX RECEPTACLE OUTLET
14. SPECIAL PURPOSE OUTLET
15. SHUNT-TRIP BREAKER AND ENCLOSURE
16. TOGGLE SWITCH
17. MAGNETIC STARTER

INSTALLATION NOTES:

A. FURNISHED, INSTALLED, & CONNECTED UNDER DIVISION 16.
B. FURNISHED & INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTIONS UNDER DIVISION 16.
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 16.
D. FURNISHED, INSTALLED, & CONNECTED UNDER ANOTHER DIVISION
E. FURNISHED BY OWNER, INSTALLED & CONNECTED BY DIVISION 16



NEW POWER PLAN
SCALE 1/4" = 1'-0"

KEYED NOTES:

1. SAW CUT, TRENCH, AND PATCH FLOOR AS NECESSARY TO ALLOW FOR CONDUITS TO BE EXTENDED INTO THE CASEWORK.
2. 120V POWER FOR FREEZER/COOLER LIGHTS & HEAT TAPE.
3. ANSUL SYSTEM PANEL. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
4. PROVIDE 3/4" CONDUIT FOR CONTROL. WIRE BY COOLER/FREEZER CONTRACTOR.
5. EXISTING ELECTRICAL PANEL 'K' TO BE MOVED OUT TO THE FACE OF THE NEW FURRED OUT WALL. EXTEND ANY EXISTING BRANCH CIRCUITS AND THE BRANCH FEEDER FEEDING THE PANEL AS NECESSARY FOR A COMPLETE INSTALLATION.
6. PROVIDE NEMA 3R GUTTER AS REQUIRED. SIZE PER ALL NEC REQUIREMENTS.

PROVIDE 4"x4"x2-1/8" DEEP JUNCTION BOX WITH SINGLE GANG PLASTER RING AND EXTEND 3/4" CONDUIT WITH NYLON PULL ROPE TO ACCESSIBLE CEILING. TERMINATE CONDUIT IN CEILING SPACE WITH A NYLON BUSHING. CABLE TO BE PROVIDED BY OWNER.

AI-40 — DESIGNATION OF CIRCUIT. WIRE COMPLETE.

AI-40/1G — ISOLATED GROUND CIRCUIT.

TYPICAL OUTLET CONVENTION
SCALE: NONE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
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CREATED BY: P+A architects
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Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net
ARCHITECTURE | PLANNING | DESIGN

CONSULTANT: ENVISION ENGINEERING
ENVISION ENGINEERING
Direction. Then Velocity.
244 West 300 North, Suite 100
Salt Lake City, Utah 84103
801.534.1100 (o) 801.534.1000 fax
REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH

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MARK	DATE	DESCRIPTION

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SHEET TITLE
POWER PLAN
SHEET NUMBER
EP101
SHEET 22 OF 25

MECHANICAL EQUIPMENT SCHEDULE

UNIT NAME	DESCRIPTION	LOAD	TYPE	VOLTAGE	PHASE	AMPERAGE	CONDUIT SIZE	WIRES NO.	WIRES SIZE	STARTER / DISCONNECT/ CONNECTION AT UNIT NOTE	STARTER SIZE	OCP SIZE	OCP POLES	DISCONNECT SIZE	DISCONNECT POLES	POWER FACTOR CORRECTION CAPACITOR (KVAR)	REMARKS
EF-1	EXHAUST FAN	2	HP	208	3	7.8	3/4"	3	12	11A/10A	NEMA 0	15	3	30	3	-	NEMA 3R DISCONNECT
EF-2	EXHAUST FAN	1.5	HP	208	3	6.9	3/4"	3	12	11A/10A	NEMA 0	15	3	30	3	-	NEMA 3R DISCONNECT
EF-3	EXHAUST FAN	1/4	HP	120	1	5.8	3/4"	2	12	2A	-	-	-	1 HP	1		NEMA 3R
EF-4	EXHAUST FAN	1/4	HP	120	1	5.8	3/4"	2	12	2A	-	-	-	1 HP	1		NEMA 3R
EF-5	EXHAUST FAN	1/25	HP	120	1	.2	3/4"	2	12	2A	-	-	-	1 HP	1		NEMA 3R
MAU-1	MAKE-UP AIR UNIT	5	HP	208	3	17.5	3/4"	3	10	11A/10A	NEMA 1	30	3	30	3	-	NEMA 3R DISCONNECT
RTU-1	ROOF-TOP UNIT	37.2	MCA	208	3	32	3/4"	3	8	10A	-	50	3	60	3	-	NEMA 3R DISCONNECT

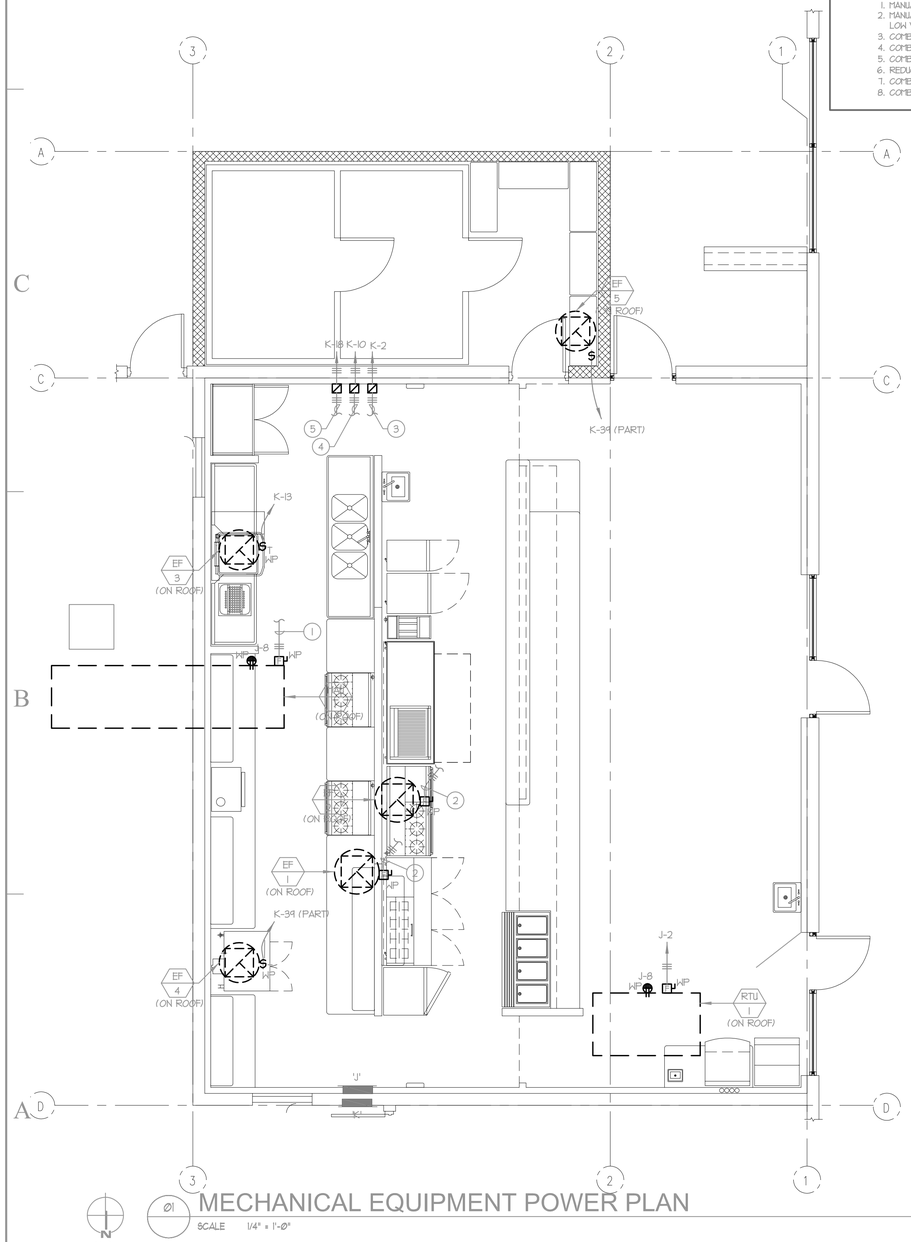
SIZE ALL FUSES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

STARTER / DISCONNECT NOTES:

1. MANUAL STARTER WITH THERMAL OVERLOAD
2. MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION & LOW VOLTAGE RELAY / CONTACTOR FOR ATC CONTROL
3. COMBINATION MAGNETIC STARTER / FUSED DISCONNECT
4. COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)
5. COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)
6. REDUCED VOLTAGE STARTER
7. COMBINATION TWO-SPEED STARTER / FUSED DISCONNECT
8. COMBINATION TWO-SPEED STARTER / MOTOR CIRCUIT PROTECTOR (MCP)
9. NON-FUSED DISCONNECT SWITCH
10. FUSED DISCONNECT SWITCH
11. BREAKER AND ENCLOSURE
12. DIRECT CONNECTION
13. DUPLEX RECEPTACLE OUTLET
14. SPECIAL PURPOSE OUTLET
15. SHUNT-TRIP BREAKER AND ENCLOSURE
16. TOGGLE SWITCH
17. MAGNETIC STARTER

INSTALLATION NOTES:

A. FURNISHED, INSTALLED, & CONNECTED UNDER DIVISION 16.
B. FURNISHED & INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTIONS UNDER DIVISION 16.
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 16.
D. FURNISHED, INSTALLED, & CONNECTED UNDER ANOTHER DIVISION
E. FURNISHED BY OWNER, INSTALLED & CONNECTED BY DIVISION 16



MECHANICAL EQUIPMENT POWER PLAN

SCALE 1/4" = 1'-0"

KEYED NOTES:

1. DOWN TO STARTER IN KITCHEN. INTERLOCK MAU-1 WITH EXHAUST FANS SO THAT WHEN THE EXHAUST FANS TURNS ON, THE MAKE-UP AIR UNIT TURNS ON.
2. DOWN TO STARTER IN THE KITCHEN. INTERLOCK EXHAUST FAN WITH MAU-1 SO THAT WHEN THE EXHAUST FAN TURNS ON, THE MAKE-UP AIR UNIT TURNS ON.
3. UP TO THE MAKE-UP AIR UNIT (MAU-1) ON THE ROOF.
4. UP TO THE EXHAUST FAN (EF-1) ON THE ROOF.
5. UP TO THE EXHAUST FAN (EF-2) ON THE ROOF.

GENERAL NOTES:

1. COORDINATE ALL WORK WITH DIVISION 15000.

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
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Phone: (801) 538 - 3018
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MECH. EQUIP. POWER PLAN

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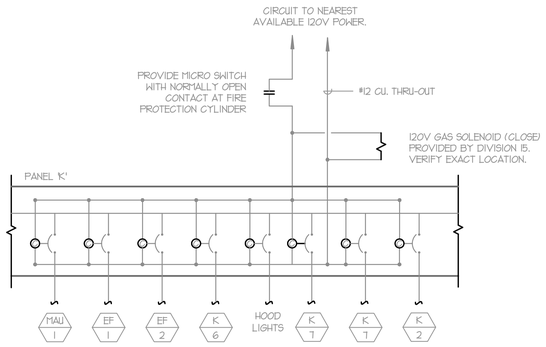
EP102

SHEET 23 OF 25



ELECTRICAL SHUT-OFF DETAIL

SCALE: NONE

NOTE:

PROVIDE SHUNT TRIP PER LOCAL AUTHORITIES REQUIREMENTS.

LIGHTING AND APPLIANCE PANELBOARD SCHEDULE

PANEL NAME: (EXISTING) J TYPE: NQOD CIRCUIT BREAKERS: [X] BOLT ON [ ] PLUG ON 120 / 208 VOLTAGE 3 PH 4 W

[X] ENGRAVED NAME TAGS BUS MATERIAL: [ ] ALUM BUS [ ] CU BUS GROUND: [ ] GROUND BUS [ ] ISOL GND BUS NEUTRAL: [X] 100% [ ] 200% LUGS: [X] MAIN [ ] SUB-FEED [ ] FEED-THROUGH MAIN BREAKER (FUSED): [X] AMPS 150 BUS AMPS: 225

BRANCH BREAKERS

NOTES	ITEM	AMP	POLE	WIRE SIZE	CIR. NO.	LEFT PHASE LOAD A	LEFT PHASE LOAD B	LEFT PHASE LOAD C	RIGHT PHASE LOAD A	RIGHT PHASE LOAD B	RIGHT PHASE LOAD C	CIR. NO.	AMP	POLE	WIRE SIZE	ITEM	NOTES
	KITCHEN LTS	20	1	12	1	960			3840			2	50	3	8	RTU-1	8
	KITCHEN LTS	20	1	12	3		1000			3840		4	-	-	-	-	-
	KITCHEN LTS	20	1	12	5			600			3840	6	-	-	-	-	-
3	FOOD WARMER	20	1	12	7	500			360			8	20	1	12	ROOF GO	
3	REACH-IN FREEZER	20	1	12	9		1248			1200		10	20	1	12	SODA MACHINE	3
3	FOOD PREP TABLE	20	1	12	11			1260				12	20	1		SPARE	
3	REACH-IN COOLER	20	1	12	13	912						14	20	1			
3	CONVECTION OVEN	20	1	12	15		1116			1612		16	20	2	10	CPCT WAREWASHING STN	8
3	CONVECTION OVEN	20	1	12	17			1116			1612	18	-	-	-	-	-
3	ICE MACHINE	20	1	12	19	1200			1900			20	20	1	12	HOT FOOD TABLE	
	SPACE(S) FOR FUTURE	20	1		21					1900		22	-	-	-	-	
	SPACE(S) FOR FUTURE	20	1		23							24	20	1		SPARE	
	SPACE(S) FOR FUTURE	20	1		25							26	20	1			
	SPACE(S) FOR FUTURE	20	1		27					2610		28	50	2	6	FRZR/COOLER REM UNIT	5, 8
	SPACE(S) FOR FUTURE	20	2		29						2610	30	-	-	-	-	
	-	-	-		31				936			32	20	2	12	FREEZER EVAP	
	SPACE(S) FOR FUTURE	30	2		33					936		34	-	-	-	-	
	-	-	-		35						480	36	20	1	12	COOLER EVAP	8
	SPACE(S)	30	3		37							38	40	3		???????	
	-	-	-		39							40	-	-		-	
	-	-	-		41							42	-	-		-	
						3572	3424	3036	7036	12098	8542						
						10608	15522	11578	TOTAL								
						88	129	96	AMPS / PHASE								

FRONT: [X] STANDARD [ ] HINGED [ ] DOOR-IN-DOOR

MOUNTING: [ ] FLUSH [ ] SURFACE [ ] SURFACE W/ SKIRT ABOVE [ ] SURFACE W/ SKIRT BELOW

TVSS: [X] NONE [ ] CATEGORY "C" [ ] CATEGORY "B" [ ] CATEGORY "A"

NEMA RATING: [X] NEMA 1 [ ] NEMA 3R [ ] NEMA 4X [ ] NEMA 12 [ ] STAINLESS STEEL

TOTAL CONNECTED LOAD: 37,108

SHORT CIRCUIT RATING: [ ] SERIES - RATED [ ] FULLY - RATED

_____ AMPS RMS SYM

REFER TO ONE-LINE DIAGRAM FOR FEEDER , CONDUIT AND CONDUCTOR SIZES

LIGHTING AND APPLIANCE PANELBOARD SCHEDULE

PANEL NAME: (EXISTING) K TYPE: NQOD CIRCUIT BREAKERS: [X] BOLT ON [ ] PLUG ON 120 / 208 VOLTAGE 3 PH 4 W

[X] ENGRAVED NAME TAGS BUS MATERIAL: [ ] ALUM BUS [ ] CU BUS GROUND: [ ] GROUND BUS [ ] ISOL GND BUS NEUTRAL: [X] 100% [ ] 200% LUGS: [X] MAIN [ ] SUB-FEED [ ] FEED-THROUGH MAIN BREAKER (FUSED): [X] AMPS 200 BUS AMPS: 225

BRANCH BREAKERS

NOTES	ITEM	AMP	POLE	WIRE SIZE	CIR. NO.	LEFT PHASE LOAD A	LEFT PHASE LOAD B	LEFT PHASE LOAD C	RIGHT PHASE LOAD A	RIGHT PHASE LOAD B	RIGHT PHASE LOAD C	CIR. NO.	AMP	POLE	WIRE SIZE	ITEM	NOTES
4, 8	KITCHEN GO	20	1	12	1	360			2100			2	30	3	10	MAU-1	4,8
-	SHUNT TRIP				3					2100		4	-	-	-	-	-
	COUNTER GO	20	1	12	5			720			2100	6	-	-	-	-	-
	COUNTER GO	20	1	12	7	720						8				SHUNT TRIP	-
	COUNTER GO	20	1	12	9		720			936		10	20	3	12	EF-1	4, 8
	COUNTER GO	20	1	12	11			720			936	12	-	-	-	-	-
	EF-3	20	1	12	13	700			936			14	-	-	-	-	-
	REGISTER AND AREA GO	20	1	12	15		540					16				SHUNT TRIP	-
	COUNTER GO	20	1	12	17			540			828	18	20	3	12	EF-2	4, 8
	COUNTER GO	20	1	12	19	540			828			20	-	-	-	-	-
	COUNTER GO	20	1	12	21		360			828		22	-	-	-	-	-
	FREEZER/COOLER J-BOX	20	1	12	23			500				24				SHUNT TRIP	-
	ANGEL SYS PANEL J-BOX	20	1	12	25	500			1000			26	20	1	12	HOOD LIGHTS	4, 8
	MICROWAVE SP GO	20	2	12	27		900					28				SHUNT TRIP	-
	-	-	-	-	29			900			1236	30	20	1	12	REFRIGERATED BASE	4, 8
	MICROWAVE SP GO	20	2	12	31	900						32				SHUNT TRIP	-
	-	-	-	-	33		900			696		34	20	1	12	GAS RESTRAUNT RANGE	4, 8
3	OVEN GO	20	1	12	35			1116				36				SHUNT TRIP	-
3	OVEN GO	20	1	12	37	1116			1392			38	20	1	12	GAS RESTRAUNT RANGE	4, 8
8	EF-4/EF-5	20	1	12	39		940					40				SHUNT TRIP	-
	SPACE				41							42				SPACE	
						4896	4360	4556	6256	4560	5100						
						11152	8920	9656	TOTAL								
						93	74	80	AMPS / PHASE								

FRONT: [X] STANDARD [ ] HINGED [ ] DOOR-IN-DOOR

MOUNTING: [ ] FLUSH [ ] SURFACE [ ] SURFACE W/ SKIRT ABOVE [ ] SURFACE W/ SKIRT BELOW

TVSS: [X] NONE [ ] CATEGORY "C" [ ] CATEGORY "B" [ ] CATEGORY "A"

NEMA RATING: [X] NEMA 1 [ ] NEMA 3R [ ] NEMA 4X [ ] NEMA 12 [ ] STAINLESS STEEL

TOTAL CONNECTED LOAD: 29,128

SHORT CIRCUIT RATING: [ ] SERIES - RATED [ ] FULLY - RATED

_____ AMPS RMS SYM

REFER TO ONE-LINE DIAGRAM FOR FEEDER , CONDUIT AND CONDUCTOR SIZES

PANELBOARD SCHEDULE NOTES:
1. PROVIDE CLASS A GROUND FAULT INTERRUPTER TYPE CIRCUIT BREAKER.
2. PROVIDE ARC FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER.
3. PROVIDE 30 MILLIAMPERE EQUIPMENT GROUND FAULT PROTECTOR TYPE CIRCUIT BREAKER.
4. PROVIDE SHUNT-TRIP TYPE CIRCUIT BREAKER WITH 120V COIL.
5. PROVIDE HACR RATED CIRCUIT BREAKER.
6. PROVIDE HANDLE CLAMP FOR HOLDING CIRCUIT BREAKER IN THE "ON" OR "OFF" POSITION.
7. PROVIDE SWITCHING RATED CIRCUIT BREAKER.
8. PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANELBOARD (WHERE PANEL IS INDICATED AS EXISTING) OF SAME MANUFACTURER AND A.I.C. RATING AS EXISTING.
9. EXISTING LOAD.

PANEL LEGEND

	J
	K

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://www.dfcm.state.ut.us

CREATED BY: P+A architects
P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net
ARCHITECTURE PLANNING DESIGN

CONSULTANT: ENVISION ENGINEERING
ENVISION ENGINEERING
Direction. Then Velocity.
244 West 300 North, Suite 100
Salt Lake City, Utah 84103
801.534.1100 ph 801.534.1000 fax
REGISTERED PROFESSIONAL ENGINEER
DAVID P. WHITTON
No.264397
STATE OF UTAH

BUILDING NAME:

UTAH COLLEGE OF APPLIED TECHNOLOGY

UNITAH BASIN ATC
CULINARY ARTS
KITCHEN INPROVEMENTS

1100 EAST LAGOON ST.
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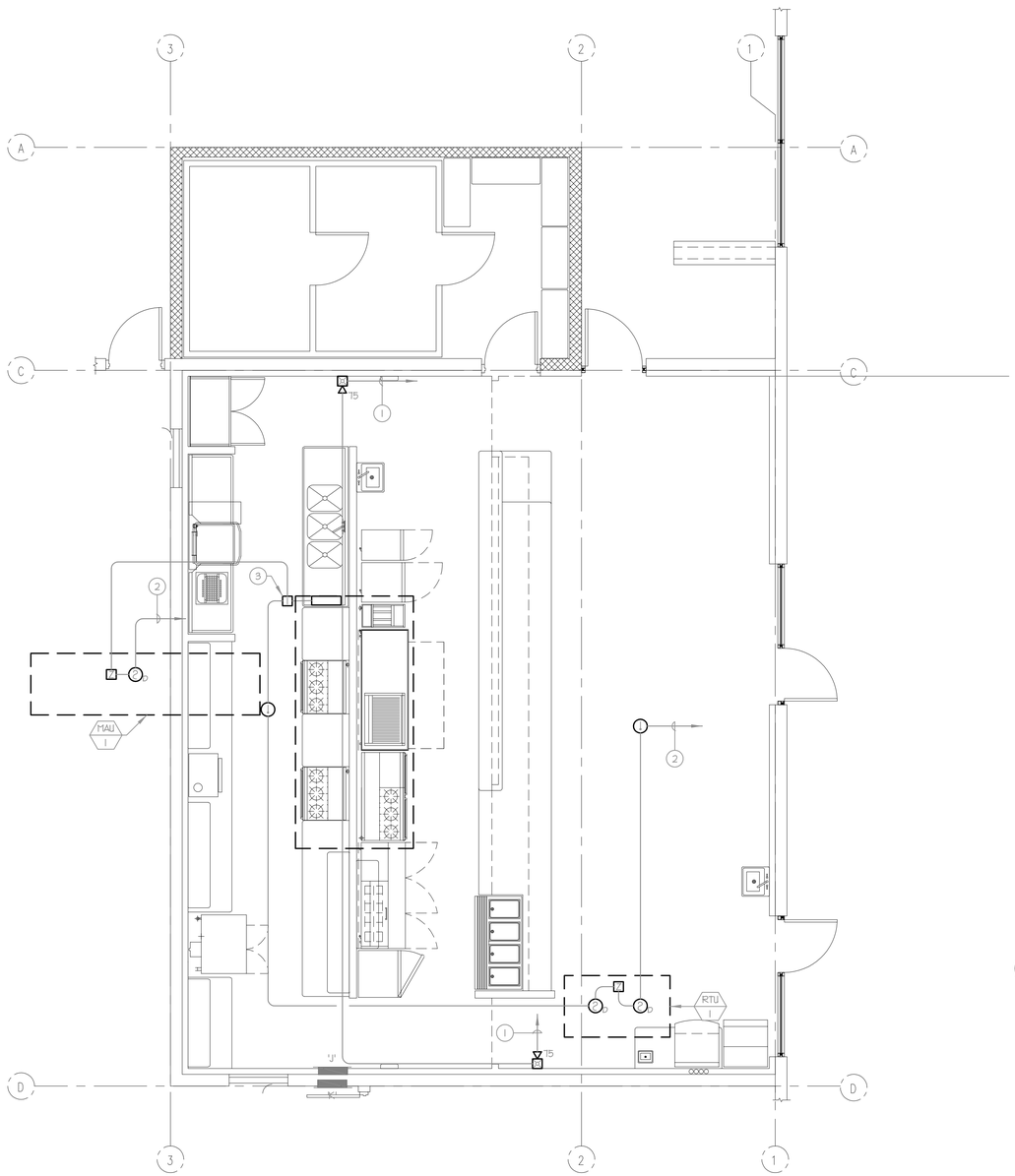
PANEL SCHEDULE

SHEET NUMBER

EP801

SHEET 24 OF 25



N
NORTH

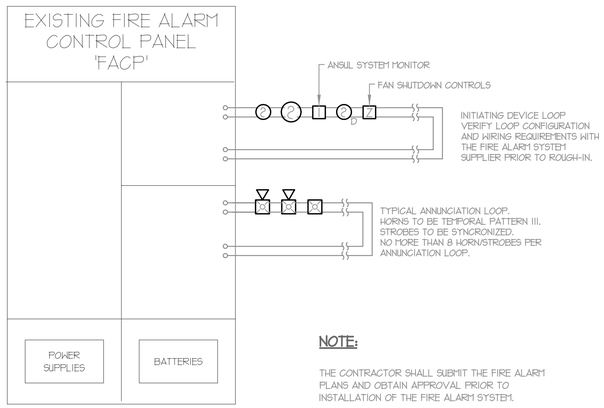
Ø1 AUXILIARY PLAN
SCALE 1/4" = 1'-Ø"

KEYED NOTES:

1. EXTEND A 3/4" CONDUIT WITH 2 #12 THHN, AWG. FOR FIRE ALARM ANNUCIATION CIRCUIT. TIE CIRCUIT INTO CLOSEST LOOP IN THE AREA. VERIFY LOOP CAPACITY AND UPGRADE THE FIRE ALARM PANEL AS NECESSARY TO HANDLE THE NEW DEVICES.
2. EXTEND A 3/4" CONDUIT WITH AN #18 TSP FOR FIRE ALARM INITIATION CIRCUIT. TIE CIRCUIT INTO CLOSEST ADDRESSABLE LOOP IN THE AREA. VERIFY LOOP CAPACITY AND UPGRADE THE FIRE ALARM PANEL AS NECESSARY TO HANDLE THE NEW DEVICES.
3. PROVIDE FIRE ALARM MONITOR MODULE TO MONITOR THE ANSUL SYSTEM ASSOCIATED WITH THE HOOD. COORDINATE WORK WITH HOOD INSTALLER.

GENERAL NOTES:

1. PROVIDE SMOKE DUCT DETECTORS IN THE MAKE-UP AIR UNIT (MAU-1) AND THE ROOF-TOP UNIT (RTU-) SO THAT UPON DETECTION OF FIRE, THE UNITS WILL SHUT DOWN.
2. UPGRADE EXISTING FIRE ALARM SYSTEM AS NECESSARY TO HANDLE ALL NEW DEVICES IN THIS SPACE.



NOTE:

THE CONTRACTOR SHALL SUBMIT THE FIRE ALARM PLANS AND OBTAIN APPROVAL PRIOR TO INSTALLATION OF THE FIRE ALARM SYSTEM.

1 / EY101 FIRE ALARM SYSTEM RISER DIAGRAM
SCALE: NONE

FIRE ALARM SYSTEM NOTES:

1. PROVIDE FIRE ALARM SYSTEM DEVICES TO MATCH THE EXISTING INSTALLED. THE CONTRACTOR SHALL FIELD VERIFY PRIOR TO THE BID.
2. CONFIRM ALL WIRING REQUIREMENTS WITH FIRE ALARM SYSTEM SUPPLIER AND PROVIDE IN ACCORDANCE THEREWITH.
3. THE SYSTEM SHALL BE PROGRAMMED SO THAT IF ANY INITIATION DEVICE IS ACTUATED, AN ALARM SIGNAL WHICH IS AUDIBLE THROUGHOUT THE BUILDING WILL BE ACTIVATED.
4. WIRING SHALL BE CONTINUOS FROM ONE DEVICE TO ANOTHER. NO SPLICING IS ALLOWED.
5. FIRE ALARM SYSTEM SUPPLIER TO DETERMINE HOW MANY ANNUNCIATION LOOPS ARE REQUIRED BASED ON THE NUMBER OF HORN/STROBES SHOWN ON THE PLAN. ALL NOTIFICATION DEVICE CIRCUIT VOLTAGE DROP CALCULATIONS SHALL BE DONE IN COMPLIANCE WITH NFPA 72 2002 SECTION 4.4.4.1. PROVIDE NEW UPDATED FIRE ALARM MAP OF THE BUILDING SHOWING THE NEW DEVICES AS WELL AS THE EXISTING DEVICES.
6. ALL FIRE ALARM CABLING SHALL BE RAN IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4". CONTRACTOR SHALL SPRAY PAINT ALL JUNCTION BOXES ASSOCIATED WITH THE FIRE ALARM SYSTEM "FIRE ENGINE RED".
7. THE FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE A COMPUTER DRAFTED PLAN OF THE FIRE ALARM SYSTEM USING FLOOR PLANS PROVIDED BY THE ENGINEER. COMPLETE RISER & WIRING DIAGRAMS SHALL BE INCLUDED.
8. THE FIRE ALARM SYSTEM SUPPLIER SHALL SUBMIT THE FIRE ALARM INSTALLATION DRAWINGS AND SUBMITTAL TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO THE ROUGH-IN OF THE SYSTEM.
9. VERIFY AND COMPLY WITH ALL LOCAL AND NATIONAL CODES.
10. FIRE ALARM SYSTEM SUPPLIER TO PROVIDE A COPY OF PROGRAMMING CODES AND OPERATION MANUALS IN A SLEEVED BINDER ATTACHED TO THE FIRE ALARM CONTROL PANEL.

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Department of Administrative Services
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4110 State Office Building
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Phone: (801) 538 - 3018
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CREATED BY: P+A architects
P+A architects
821 East Kensington Ave.
Salt Lake City, Utah 84105
P: 801.484.1161
F: 801.485.4640
e-mail parchitects@comcast.net
ARCHITECTURE | PLANNING | DESIGN

CONSULTANT: ENVISION ENGINEERING
ENVISION ENGINEERING
Direction. Then Velocity.
244 West 300 North, Suite 100
Salt Lake City, Utah 84103
801.534.1100 ph 801.534.1000 fax
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